

SECTION 1

LAMPHOLDERS G9:

Art. **A60A** *page 139*

Art. **A66** *page 141*

LAMPHOLDERS GZ10 - GU10:

Art. **A40 - A40B** *page 133*

Art. **A42Z - A42U** *page 137*

LAMPHOLDERS R7s:

Art. **A01** *page 105*

Art. **A10** *page 113*

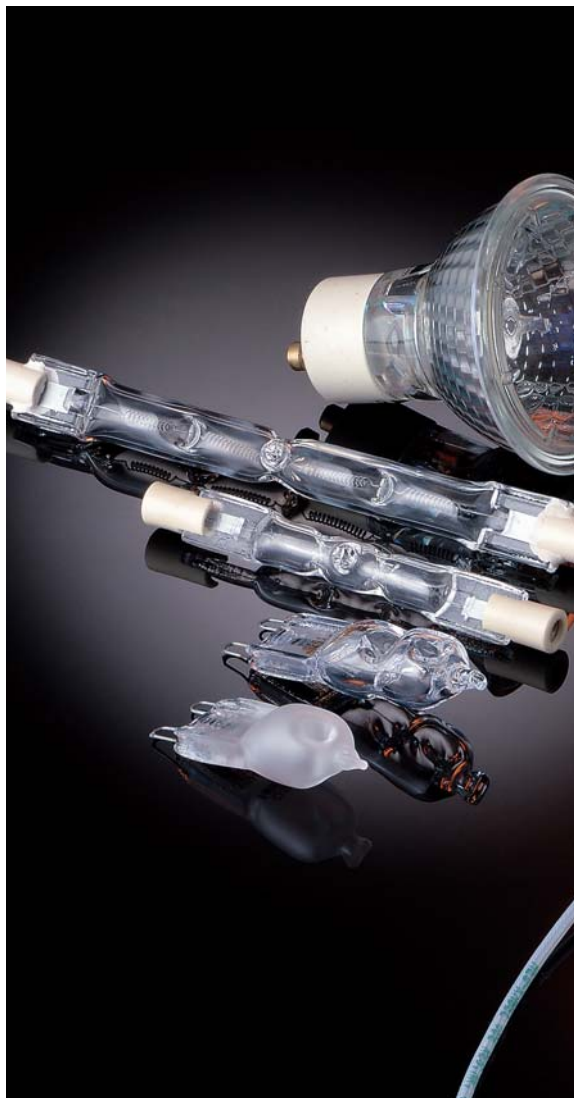
Art. **A20** *page 127*

Art. **A22** *page 129*

Art. **A25** *page 131*

LAMPHOLDERS Gx16d:

Art. **P35** *page 163*



LAMPHOLDERS FOR INCANDESCENT HALOGEN LAMPS FOR NET TENSION 110 - 250V



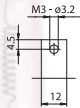
LAMPHOLDERS FOR INCANDESCENT HALOGEN LAMPS

Attention: the back side of this lampholder has uncovered parts under tension. During the project verify that the surface and air distance, prescribed by lighting fixtures construction standards, will be respected. Verify also the protection against accidental contacts.

Note: the version A01P, lampholder equipped with protection device in LCP, grants the protection against electrical shocks caused by accidental contacts with the back side of the lampholder.

A01F, lampholder with micarta plate positioned between the contacts and the pressure spring. The insulation plate grants the protection against the electric shock with the standardized IEC 529 test-finger in the contact area lamp-lampholder, with inserted lamp. **PATENTED**

- Steatite body.
Contacts in electrolytic copper and silver.
Pressure spring in nickel-plated, hardened and normalized, steel.
Self-threading fixing screws M3.
- Weight of the lampholders pair in standard execution (with cables L= 25 cm): 50 g.
- D: fixing distance of the lampholders pair on rigid structures:
 - 54,7 mm for lamps with R7s cap, with "Z nom." lamp 74,9 mm
 - 94,0 mm for lamps with R7s cap, with "Z nom." lamp 114,2 mm
- d: distance between contacts = D + 16,4 mm
- Indications to fix the lampholder on structures.



- Fixing of the lampholders pair by M3 self-threading screws inserted in the bodies. Standard screw M3 x 8 with cross head. Other lengths on request (minimum length for threaded supports: 6 mm).

A01



Lampholder:	R7s
Maximum power:	1500 W
Rated voltage:	250 V
Working temperature:	T 250°C
Connected cables working temperature:	T 105°÷ 250°C
In conformity to the standards:	UL 496 CSA 22.2 N.43
Approval marks:	cURus

Single-conductor flexible connecting cables, polarized black and white, crimped to the lampholder:

Insulation	T in °C	Conduct.	Available voltages and AWG		
			300V	600V	18AWG
Silicone Single insulation	200	CuSn		•	•
Silicone+glass-braid Single insulation	200	CuSn		•	•
FEP Single insulation	200	CuNi	•	•	•
FEP+FEP Double insulation	200	CuNi	•		•
PTFE Single insulation	250	CuNi	•	•	•
PTFE+PFA Double insulation	250	CuNi	•		•



FOR NET TENSION 110 - 250V

A01

1984-1998



Lampholder:

Rated voltage:
Rated current:
Working temperature:
Connected cables
working temperature:
Overvoltage category:
Protection degree (IP):
In conformity to the standards:
In conformity to the requirements
of the directive:

Approval marks:

R7s

500 V

6 A

T 300°C

T 105± 250°C

III

IP00

EN 60838-1

2014/35/EU

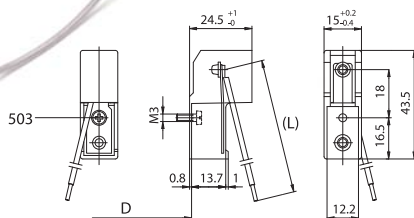
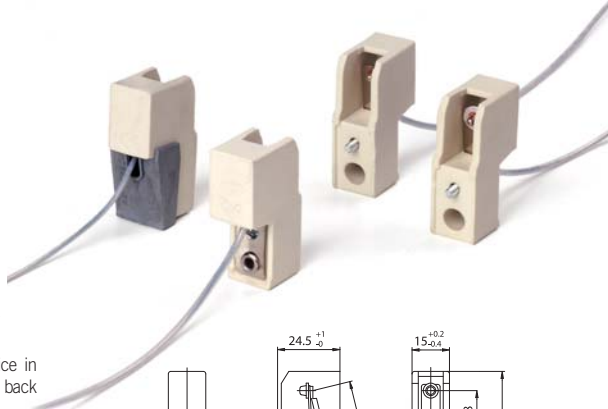
ENEC 03 CQC

A01P: A01 lampholder equipped with protection device in LCP T250°C (T240°C for UL), which covers the back pressure springs.

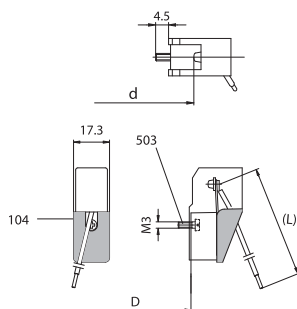
A01F: A01 lampholder with micarta plate positioned between the contacts and the pressure springs.

Single-conductor flexible connecting cables
crimped to the lampholder:

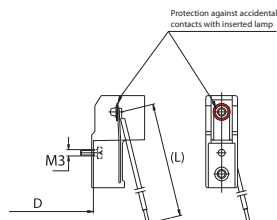
Insulation	T in °C	Conduct.	Available sections in mm²			
			0,50	0,75	1,00	1,50
Silicone <i>Single insulation</i>	180	CuSn	•	•	•	•
Silicone+Silicone <i>Double insulation</i>	180	CuSn		•	•	•
Silicone+glass-braid <i>Single insulation</i>	180	CuSn	•	•	•	•
FEP <i>Single insulation</i>	180	CuSn	•	•	•	•
FEP+FEP <i>Double insulation</i>	180	CuSn	•	•	•	•
FEP+FEP+FEP <i>Triple insulation</i>	180	CuSn	•	•	•	•
PTFE <i>Single insulation</i>	180	CuSn	•	•	•	•
PTFE <i>Single insulation</i>	250	CuNi	•	•	•	•
PTFE+PTFE <i>Double insulation</i>	250	CuNi	•	•	•	
PTFE+PFA <i>Double insulation</i>	250	CuNi		•	•	
PTFE+PFA+PFA <i>Triple insulation</i>	250	CuNi		•		
PFA <i>Single insulation</i>	260	CuNi	•	•	•	
PFA+PFA <i>Double insulation</i>	260	CuNi	•	•		



A01



A01P

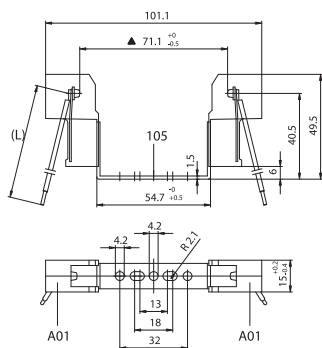


A01F

- 503 - Self-threading screw M3 x 8 (other lengths on request)



A02

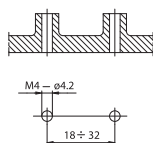


▲ Dimension without inserted lamp in the lampholder

A02: A01 lampholders assembled with spacer bracket in zinc-plated iron for R7s cap, with "Z nom." lamp 74,9 mm art. 105.

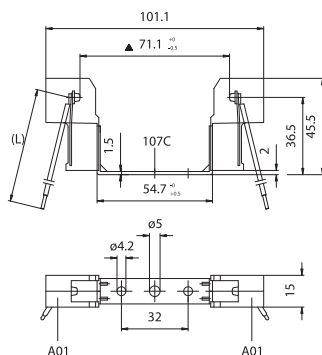
A02P: version with lampholders equipped with protection in LCP which covers the pressure springs (see A01P).

- Weight of the lampholder in standard execution: 60 g.
- Indications to fix the lampholder on structures.



- Fixing of the lampholder by M4 screws to be inserted in the holes of the bracket, placed on two supports with a center distance of 18÷32 mm.

A04C

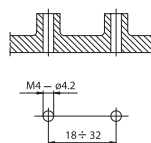


▲ Dimension without inserted lamp in the lampholder

A04C: A01 lampholders assembled with spacer bracket in zinc-plated iron for R7s cap, with "Z nom." lamp 74,9 mm art. 107C.

A04CP: version with lampholders equipped with protection in LCP which covers the pressure springs (see A01P).

- Weight of the lampholder in standard execution: 60 g.
- Indications to fix the lampholder on structures.

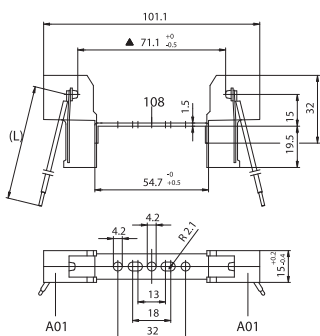


- Fixing of the lampholder by M4 screws to be inserted in the holes of the bracket, placed on two supports with a center distance of 18÷32 mm.

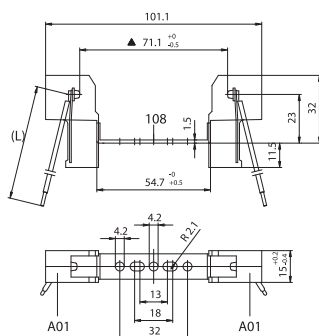
A05



A05U



▲ Dimension without inserted lamp in the lampholder



▲ Dimension without inserted lamp in the lampholder

A05: A01 lampholders assembled with spacer bracket in zinc-plated iron for R7s cap, with "Z nom." lamp 74,9 mm art. 108.

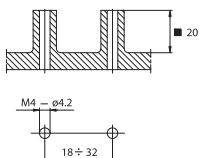
A05U: A01 lampholders assembled with spacer bracket in zinc-plated iron for R7s cap, with "Z nom." lamp 74,9 mm art. 108.

A05P: version with lampholders equipped with protection in LCP which covers the pressure springs (see A01P).

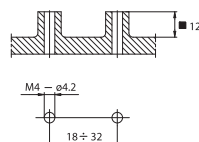
A05UP: version with lampholders equipped with protection in LCP which covers the pressure springs (see A01P).

- Weight of the lampholder in standard execution: 55 g.
- Indications to fix the lampholder on structures.

- Weight of the lampholder in standard execution: 55 g.
- Indications to fix the lampholder on structures.



■ Min. dimension

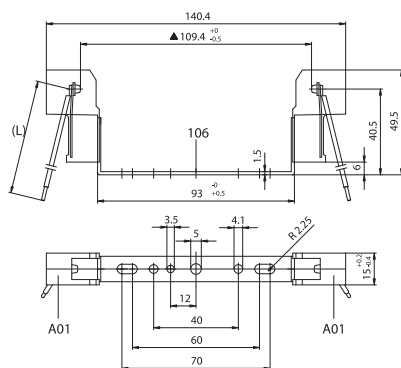


■ Min. dimension

- Fixing of the lampholder by M4 screws to be inserted in the holes of the bracket, placed on two supports with a center distance of 18÷32 mm.

- Fixing of the lampholder by M4 screws to be inserted in the holes of the bracket, placed on two supports with a center distance of 18÷32 mm.

A03

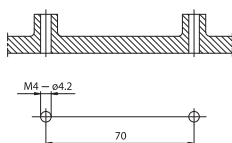


▲ Dimension without inserted lamp in the lampholder

A03: A01 lampholders assembled with spacer bracket in zinc-plated iron for R7s cap, with "Z nom." lamp 114,2 mm art. 106.

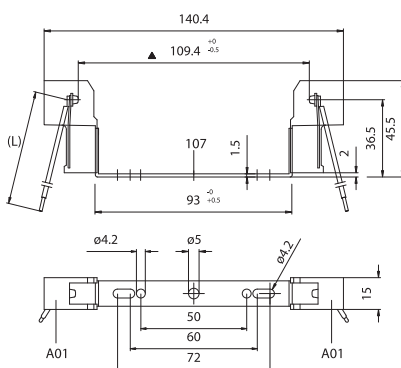
A03P: version with lampholders equipped with protection in LCP which covers the pressure springs (see A01P).

- Weight of the lampholder in standard execution: 65 g.
- Indications to fix the lampholder on structures.



- Fixing of the lampholder by M4 screws to be inserted in the holes of the bracket, placed on two supports with a center distance of 70 mm.

A04

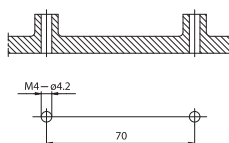


▲ Dimension without inserted lamp in the lampholder

A04: A01 lampholders assembled with spacer bracket in zinc-plated iron for R7s cap, with "Z nom." lamp 114,2 mm art 107.

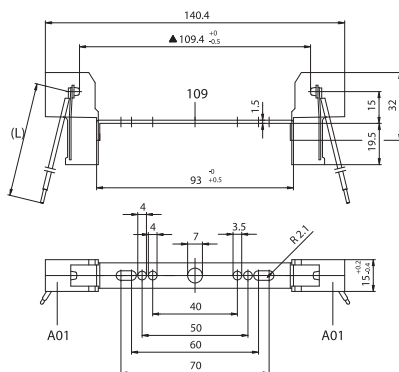
A04P: version with lampholders equipped with protection in LCP which covers the pressure springs (see A01P).

- Weight of the lampholder in standard execution: 65 g.
- Indications to fix the lampholder on structures.



- Fixing of the lampholder by M4 screws to be inserted in the holes of the bracket, placed on two supports with a center distance of 70 mm.

A06

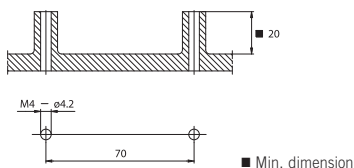


▲ Dimension without inserted lamp in the lampholder

A06: A01 lampholders assembled with spacer bracket in zinc-plated iron for R7s cap, with "Z nom." lamp 114,2 mm art. 109.

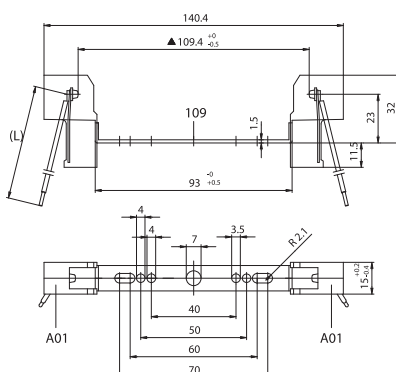
A06P: version with lampholders equipped with protection in LCP which covers the pressure springs (see A01P).

- Weight of the lampholder in standard execution: 60 g.
- Indications to fix the lampholder on structures.



- Fixing of the lampholder by M4 screws to be inserted in the holes of the bracket, placed on two supports with a center distance of 70 mm.

A06U

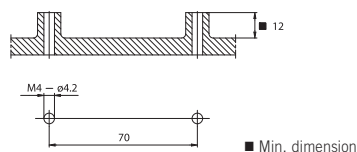


▲ Dimension without inserted lamp in the lampholder

A06U: A01 lampholders assembled with spacer bracket in zinc-plated iron for R7s cap, with "Z nom." lamp 114,2 mm art. 109.

A06UP: version with lampholders equipped with protection in LCP which covers the pressure springs (see A01P).

- Weight of the lampholder in standard execution: 60 g.
- Instructions to fix the lampholder on structures.

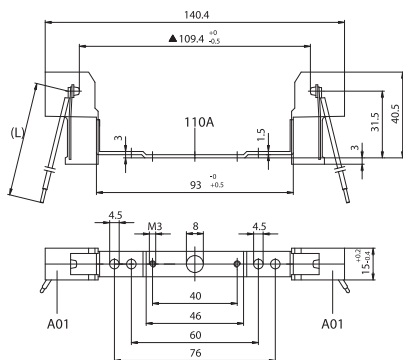


- Fixing of the lampholder by M4 screws to be inserted in the holes of the bracket, placed on two supports with a center distance of 70 mm.

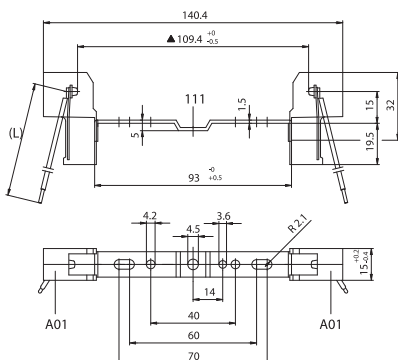
A07



A08



▲ Dimension without inserted lamp in the lampholder



▲ Dimension without inserted lamp in the lampholder

A07: A01 lampholders assembled with spacer bracket in zinc-plated iron for R7s cap, with "Z nom." lamp 114,2 mm art. 110A.

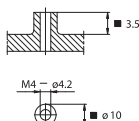
A08: A01 lampholders assembled with spacer bracket in zinc-plated iron for R7s cap, with "Z nom." lamp 114,2 mm art. 111.

A07P: version with lampholders equipped with protection in LCP which covers the pressure springs (see A01P).

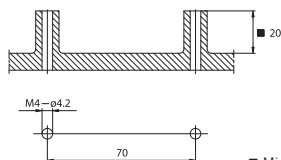
A08P: version with lampholders equipped with protection in LCP which covers the pressure springs (see A01P).

- Weight of the lampholder in standard execution: 65 g.
- Indications to fix the lampholder on structures.

- Weight of the lampholder in standard execution: 60 g.
- Indications to fix the lampholder on structures.



■ Min. dimension

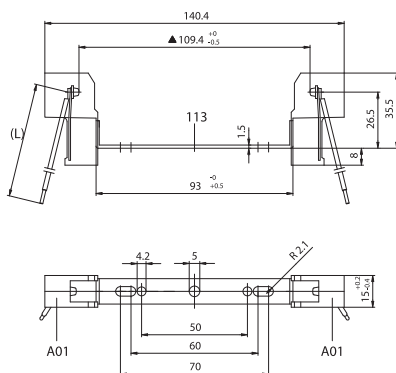


■ Min. dimension

- Fixing of the lampholder by M4 screws (with head with minimum diameter 8 mm) to be inserted in the central hole of the bracket, placed on a support.

- Fixing of the lampholder by M4 screws to be inserted in the holes of the bracket, placed on two supports with a center distance of 70 mm.

A09

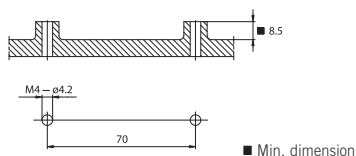


▲ Dimension without inserted lamp in the lampholder

A09: A01 lampholders assembled with spacer bracket in zinc-plated iron for R7s cap, with "Z nom." lamp 114,2 mm art. 113.

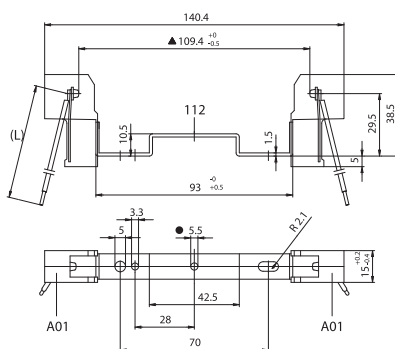
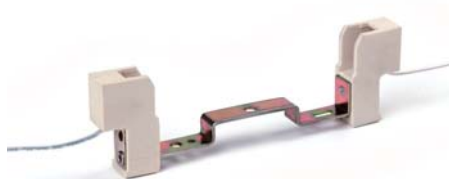
A09P: version with lampholders equipped with protection in LCP which covers the pressure springs (see A01P).

- Weight of the lampholder in standard execution: 60 g.
- Indications to fix the lampholder on structures.



- Fixing of the lampholder by M4 screws to be inserted in the holes of the bracket, placed on two supports with a center distance of 70 mm.

AB8



▲ Dimension without inserted lamp in the lampholder

AB8: A01 lampholders assembled with spacer bracket in zinc-plated iron for R7s cap, with "Z nom." lamp 114,2 mm with central hole diameter 5,5 mm art. 112.

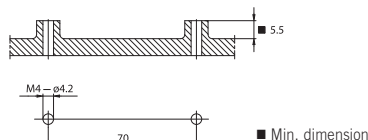
AB8P: version with lampholders equipped with protection in LCP which covers the pressure springs (see A01P).

AB8A - AB8AP: ● with central hole diameter 3,4 mm.

AB8B - AB8BP: ● with central hole M4.

AB8C - AB8CP: ● with central hole diameter 4,5 mm.

- Weight of the lampholder in standard execution: 65 g.
- Indications to fix the lampholder on structures.



- Fixing of the lampholder by M4 screw (with head min. diameter 8 mm) to be inserted in the central fixing hole of the bracket, placed on a support.

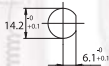
LAMP HOLDERS FOR INCANDESCENT HALOGEN LAMPS

A10



Lampholder whose creepage and clearance distances allow the use in class II fixtures with working voltage up to 250V, if connected with double or triple insulated cables (ref. standard EN 60598.1).

- Steatite body.
Nickel-plated brass envelope, diameter 18 mm, with thread M14 x1, length 6 mm.
Contacts in special nickel-plated alloy.
Pressure springs in normalized stainless steel.
Fixing nuts M14 x1, hexagonal 17, in nickel-plated brass.
- Weight of the lampholders pair in standard execution (with cables L= 25 cm): 40 g.
- D: fixing distance of the lampholders pair on rigid structures:
 - 103,4 mm for lamps with R7s cap, with "Z nom." lamp 74,9 mm
 - 142,7 mm for lamps with R7s cap, with "Z nom." lamp 114,2 mm
- d: distance between the contacts = D - 31,1 mm
- Indications to fix the lampholder on structures.



- Fixing of lampholders pair by thread M14 x1 on the lampholder external envelope. The standard supply includes the 17 mm hexagonal nuts in nickel-plated brass M14 x1.
The threaded part of the brass external envelope has a lateral milling, in order to avoid the wrong assembling of the lampholders pair.

Lampholder:

Maximum power:
Rated voltage:
Working temperature:
Connected cables working temperature:
In conformity to the standards:

R7s

1500 W
250 V
T 250°C
T 105°± 250°C
UL 496
CSA 22.2 N.43

Approval marks:

cURus

A10M: the lampholder, in the version cURus, may be supplied with a device that blocks the sliding of the lampholder body connected to the line (black colour polarized cable).

Single-conductor flexible connecting cables, polarized black and white, crimped to the lampholder:

Insulation	T in °C	Conduct.	Available voltages and AWG		
			300V	600V	18AWG
Silicone Single insulation	200	CuSn		•	•
Silicone+glass-braid Single insulation	200	CuSn		•	•
FEP Single insulation	200	CuNi	•	•	•
FEP+FEP Double insulation	200	CuNi	•		•
PTFE Single insulation	250	CuNi	•	•	•
PTFE+PFA Double insulation	250	CuNi	•		•



FOR NET TENSION 110 - 250V

A10

1984



Lampholder:

Rated voltage:
Rated current:
Working temperature:
Connected cables
working temperature:
Overvoltage category:
Protection degree (IP):
In conformity to the standards:
In conformity to the requirements
of the directive:

R7s

250 V
6 A
T 300°C
T 105°± 250°C
III
IP20
EN 60838-1

2014/35/EU

Approval marks:

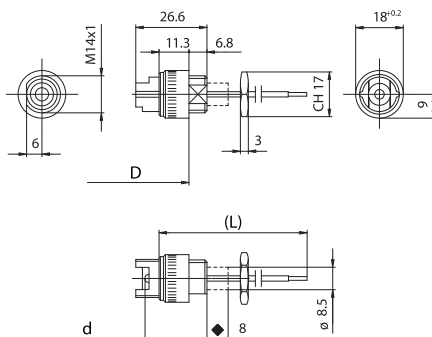
ENEC 03
CQC

Double insulation



Single-conductor flexible connecting cables
crimped to the lampholder:

Insulation	T in °C	Conduct.	Available sections in mm²			
			0,50	0,75	1,00	1,50
Silicone <i>Single insulation</i>	180	CuSn	•	•	•	•
Silicone+Silicone <i>Double insulation</i>	180	CuSn		•	•	
Silicone+glass-braid <i>Single insulation</i>	180	CuSn	•	•	•	•
FEP <i>Single insulation</i>	180	CuSn	•	•	•	•
FEP+FEP <i>Double insulation</i>	180	CuSn	•	•	•	•
FEP+FEP+FEP <i>Triple insulation</i>	180	CuSn	•	•		
PTFE <i>Single insulation</i>	180	CuSn	•	•	•	•
PTFE <i>Single insulation</i>	250	CuNi	•	•	•	•
PTFE+PTFE <i>Double insulation</i>	250	CuNi	•	•	•	
PTFE+PFA <i>Double insulation</i>	250	CuNi		•	•	
PTFE+PFA+PFA <i>Triple insulation</i>	250	CuNi		•		
PFA <i>Single insulation</i>	260	CuNi	•	•	•	
PFA+PFA <i>Double insulation</i>	260	CuNi	•	•	•	



♦ Maximum jut of the steatite body during lamp insertion



A10G



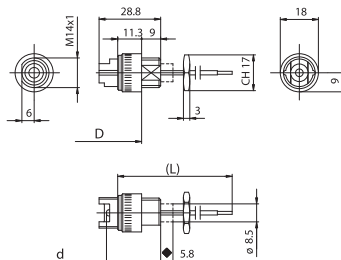
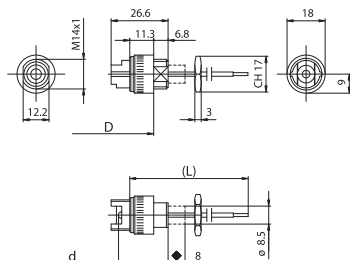
A10L



Double insulation



Double insulation



♦ Maximum jut of the steatite body during lamp insertion

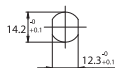
♦ Maximum jut of the steatite body during lamp insertion

A10G: lampholder as A10 with nickel-plated brass envelope diameter 18 mm with M14 x1 threading with two parallel millings, length 6 mm.

ATTENTION: the brass envelope, in its threaded part, has a double lateral milling that may cause the wrong assembling of the lampholders pairs.

A10GM: version UR, with device that blocks the lampholder body connected to the line (see A10M).

- D: fixing distance of the lampholders pairs on rigid structures:
 - 103,4 mm for lamps with R7s caps, with "Z nom." lamp 74,9 mm
 - 142,7 mm for lamps with R7s cap, with "Z nom." lamp 114,2 mm
- Weight of the lampholders pair in standard execution: 40 g.
- Indications to fix the lampholder on structures.

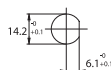


- Fixing of lampholders pair by thread M14 x1 on the lampholder external envelope. The standard supply includes the 17 mm hexagonal nuts in nickel-plated brass M14 x1.

A10L: lampholder as A10 with nickel-plated brass envelope diameter 18 mm with M14 x1 threading, length 9 mm.

A10LM: version UR, with device that blocks the lampholder body connected to the line (see A10M).

- D: fixing distance of the lampholders pairs on rigid structures:
 - 103,4 mm for lamps with R7s caps, with "Z nom." lamp 74,9 mm
 - 142,7 mm for lamps with R7s cap, with "Z nom." lamp 114,2 mm
- Weight of the lampholders pair in standard execution: 40 g.
- Indications to fix the lampholder on structures.

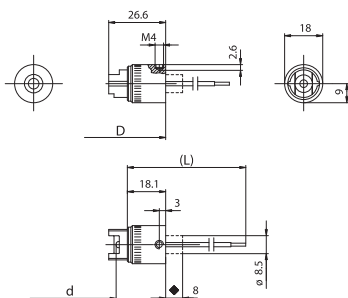


- Fixing of lampholders pair by thread M14 x1 on the lampholder external envelope. The standard supply includes the 17 mm hexagonal nuts in nickel-plated brass M14 x1. The threaded part of the brass external envelope has a lateral milling, in order to avoid the wrong assembling of the lampholders pair.

A10F



Double insulation

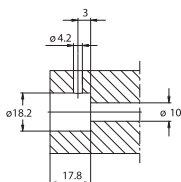


◆ Maximum jut of the steatite body during lamp insertion

A10F: lampholder as A10 with nickel-plated brass envelope with M4 lateral threading.

A10FM: version UR, with device that blocks the lampholder body connected to the line (see A10M).

- D: fixing distance of the lampholders pairs on rigid structures:
 - 117,0 mm for lamps with R7s cap, with "Z nom." lamp 74,9 mm
 - 156,3 mm for lamps with R7s cap, with "Z nom." lamp 114,2 mm
- Weight of the lampholders pair in standard execution: 45 g.
- Indications to fix the lampholder on structures.

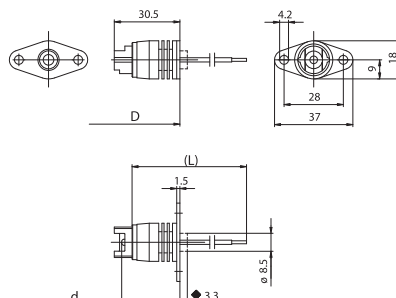


- Fixing system, of the lampholders pair, by insertion in cylindrical structures diameter 18,2 mm, in which the lampholders stability is granted screwing down M4 screws in fore-made threads of the envelope holes (see the drawing).

A10A



Double insulation

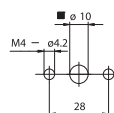


◆ Maximum jut of the steatite body during lamp insertion

A10A: lampholder as A10 with nickel-plated brass envelope with nickel-plated fixing plate.

A10AM: version UR, with device that blocks the lampholder body connected to the line (see A10M).

- D: fixing distance of the lampholders pairs on rigid structures:
 - 125,7 mm for lamps with R7s cap, with "Z nom." lamp 74,9 mm
 - 165,0 mm for lamps with R7s cap, with "Z nom." lamp 114,2 mm
- Indications to fix the lampholder on structures.



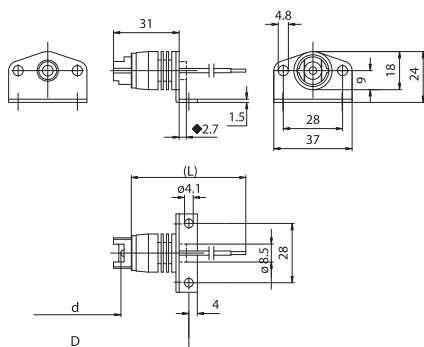
■ Insertion hole of the steatite body during lamp insertion

- Fixing of the lampholders pair by M4 screws to be inserted in holes with center distance 28 mm.

A10B



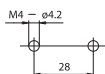
Double insulation



♦ Maximum jut of the steatite body during lamp insertion

A10B: lampholder as A10 with nickel-plated fixing bracket turned towards the cables.

- D: fixing distance of the lampholders pairs on rigid structures:
 - 134,9 mm for lamps with R7s cap, with "Z nom." lamp 74,9 mm
 - 174,2 mm for lamps with cap R7s, with "Z nom." lamp 114,2 mm
- Weight of the lampholders pair in standard execution: 65 g.
- Indications to fix the lampholder on structures.

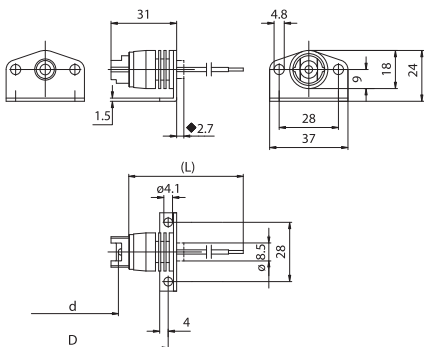


- Fixing of the lampholders pair by M4 screws to be inserted in holes with center distance 28 mm.

A10C



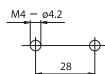
Double insulation



♦ Maximum jut of the steatite body during lamp insertion

A10C: lampholder as A10 with nickel-plated fixing bracket turned towards the lamp.

- D: fixing distance of the lampholders pairs on rigid structures:
 - 113,7 for lamps with R7s cap, with "Z nom." lamp 74,9 mm
 - 173,2 mm for lamps with cap R7s, with "Z nom." lamp 114,2 mm
- Weight of the lampholders pair in standard execution: 65 g.
- Indications to fix the lampholder on structures.

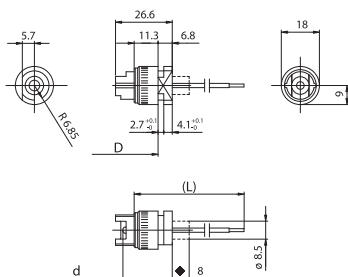


- Fixing of the lampholders pair by M4 screws to be inserted in holes with center distance 28 mm.

A10T



Double insulation

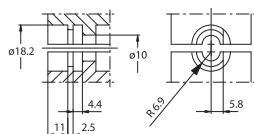


◆ Maximum jut of the steatite body during lamp insertion

A10T: lampholder as A10 with nickel-plated brass envelope with groove for coupling structures.

A10TM: version UR, with device that blocks the lampholder body connected to the line (see A10M).

- D: fixing distance of the lampholders pairs on rigid structures:
 - 103,4 mm for lamps with R7s cap, with "Z nom." lamp 74,9 mm
 - 142,7 mm for lamps with R7s cap, with "Z nom." lamp 114,2 mm
- Weight of the lampholders pair in standard execution: 40 g.
- Indications to fix the lampholder on structures.

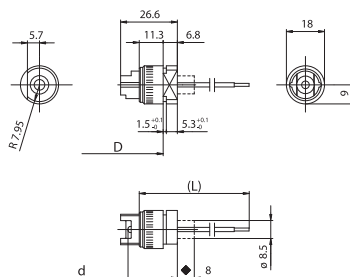


- Fixing system of lampholders pair by coupling of two shells with opportune profiles, in such a way to avoid wrong assembling (see the drawing).

A10P



Double insulation

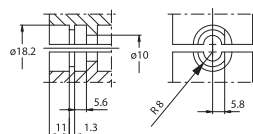


◆ Maximum jut of the steatite body during lamp insertion

A10P: lampholder as A10 with nickel-plated brass envelope with groove for coupling structures.

A10PM: version UR, with device that blocks the lampholder body connected to the line (see A10M).

- D: fixing distance of the lampholders pairs on rigid structures:
 - 103,4 mm for lamps with R7s cap, with "Z nom." lamp 74,9 mm
 - 142,7 mm for lamps with R7s cap, with "Z nom." lamp 114,2 mm
- Weight of the lampholders pair in standard execution: 40 g.
- Indications to fix the lampholder on structures.



- Fixing system of lampholders pair by coupling of two shells with opportune profiles, in such a way to avoid wrong assembling (see the drawing).

A10Q



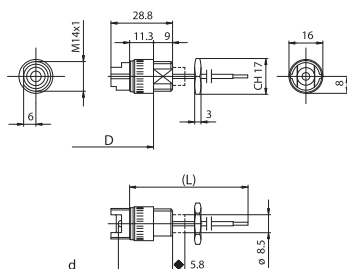
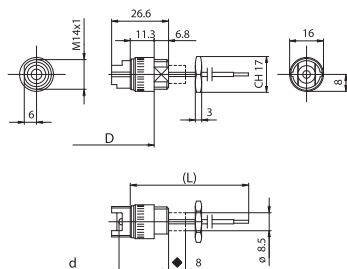
A10V



Double insulation



Double insulation



♦ Maximum jut of the steatite body during lamp insertion

♦ Maximum jut of the steatite body during lamp insertion

A10Q: lampholder as A10 with nickel-plated brass envelope diameter 16 mm, with M14 x1 thread, length 6 mm.

A10V: lampholder as A10 with nickel-plated brass envelope diameter 16 mm, with M14 x1 thread, length 9 mm.

A10QM: version UR, with device that blocks the lampholder body connected to the line (see A10M).

A10VM: version UR, with device that blocks the lampholder body connected to the line (see A10M).

- D: fixing distance of the lampholders pairs on rigid structures:
 - 103,4 mm for lamps with R7s cap, with "Z nom." lamp 74,9 mm
 - 142,7 mm for lamps with R7s cap, with "Z nom." lamp 114,2 mm

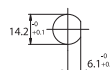
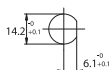
- D: fixing distance of the lampholders pairs on rigid structures:
 - 103,4 mm for lamps with R7s cap, with "Z nom." lamp 74,9 mm
 - 142,7 mm for lamps with R7s cap, with "Z nom." lamp 114,2 mm

• Weight of the lampholders pair in standard execution: 30 g.

• Weight of the lampholders pair in standard execution: 30 g.

• Indications to fix the lampholder on structures.

• Indications to fix the lampholder on structures.



- Fixing of lampholders pair by thread M14 x1 on the lampholder external envelope. The standard supply includes the 17 mm hexagonal nuts in nickel-plated brass M14 x1. The threaded part of the brass external envelope has a lateral milling, in order to avoid the wrong assembling of the lampholders pair.

- Fixing of lampholders pair by thread M14 x1 on the lampholder external envelope. The standard supply includes the 17 mm hexagonal nuts in nickel-plated brass M14 x1. The threaded part of the brass external envelope has a lateral milling, in order to avoid the wrong assembling of the lampholders pair.

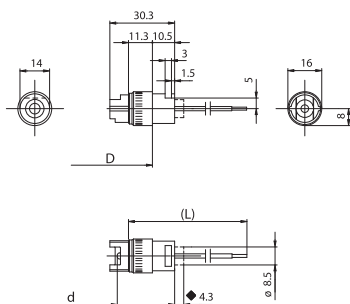
A10E



A12



Double insulation

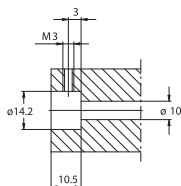


◆ Maximum jut of the steatite body during lamp insertion

A10E: lampholder as A10, with nickel-plated brass envelope diameter 16 mm and reference plane for the fastening.

A10EM: version UR with device that blocks the lampholder body connected to the line (see A10M).

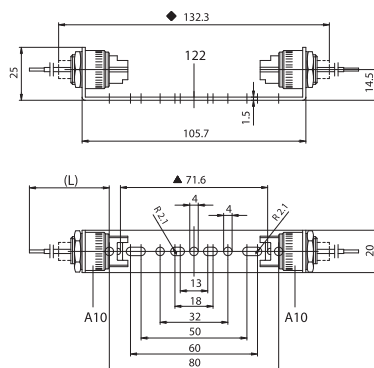
- D: fixing distance of the lampholders pairs on rigid structures:
 - 103,4 mm for lamps with R7s cap, with "Z nom." lamp 74,9 mm
 - 142,7mm for lamps with R7s cap, with "Z nom." lamp 114,2 mm
- Weight of the lampholders pair in standard execution: 30 g.
- Indications to fix the lampholder on structures.



- Fixing system of the lampholders pair by insertion in holes diameter 14,2 mm, in which lampholder stability is guaranteed screwing the M3 screws in the fore-made threads on the envelope holes (see the drawing).



Double insulation



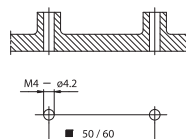
▲ Dimension without inserted lamp in the lampholder

◆ Maximum jut of the steatite body during lamp insertion

A12: A10 lampholders assembled with spacer bracket in zinc-plated iron for lamps with R7s cap with "Z nom." lamp 74,9 mm art. 122.

A12M: version UR and CSA, with device that blocks the lampholder body connected to the line (see A10M).

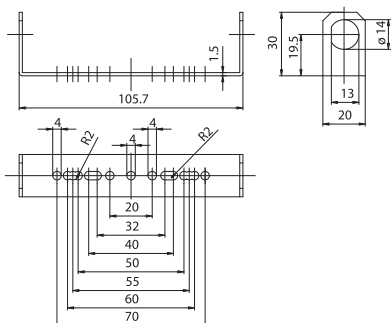
- Weight of the lampholder in standard execution: 65 g.
- Indications to fix the lampholder on structures.



■ Dimension for supported lampholder. When lampholder is placed on a plane, it is possible to use all the bracket holes.

- Fixing of the lampholder by M4 screws to be inserted in the holes of the bracket, placed on a plane surface on two supports with a center distance of 50 - 60 mm.

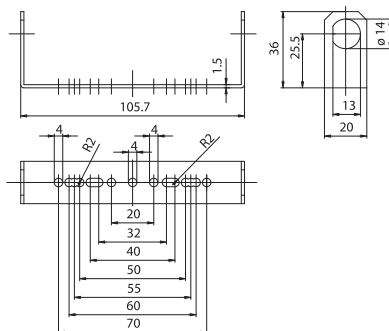
197



197: bracket in zinc-plated iron 30 mm high, for lampholders of the A10 series, for R7s lamps with "Z nom. " lamp 74,9 mm.

- Weight: 30 g.

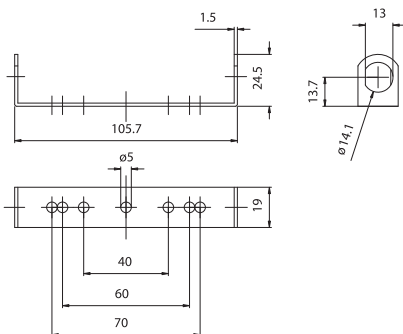
198



198: bracket in zinc-plated iron 36 mm high, for lampholders of the A10 series, for R7s lamps with "Z nom. " lamp 74,9 mm.

- Weight: 30 g.

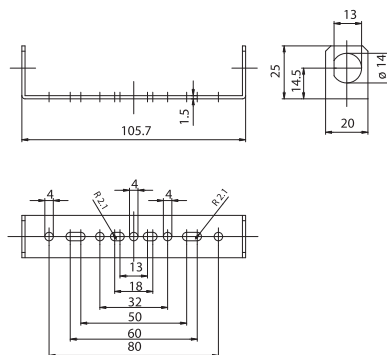
122R



122R: bracket in zinc-plated iron 25 mm high, for lampholders of the A10 series, for R7s lamps with "Z nom." lamp 74,9 mm.

- Weight: 30 g.

122



122: bracket in zinc-plated iron 25 mm high, for lampholders of the A10 series, for R7s lamps with "Z nom." lamp 74,9 mm.

- Weight: 30 g.

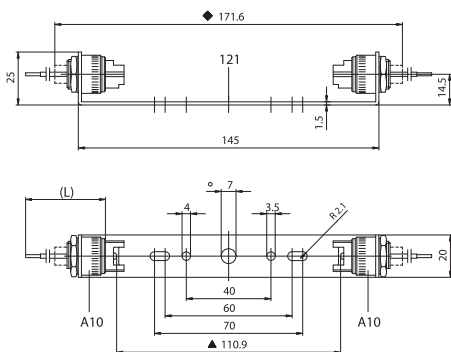
A11



A13



Double insulation



- ▲ Dimension without inserted lamp in the lampholder
- ◆ Maximum jut of the steatite body during lamp insertion

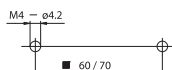
A11: A10 lampholders assembled with spacer bracket in zinc-plated iron for lamps with R7s cap with "Z nom." lamp 114,2 mm with central hole diameter 7 mm art.121.

A11G: with central hole diameter 11 mm.

A11P: with central hole diameter 4,5 mm.

A11M - A11GM - A11PM: version UR and CSA, with device that blocks the lampholder body connected to the line (see A10M).

- Weight of the lampholder in standard execution: 75 g.
- Indications to fix the lampholder on structures.

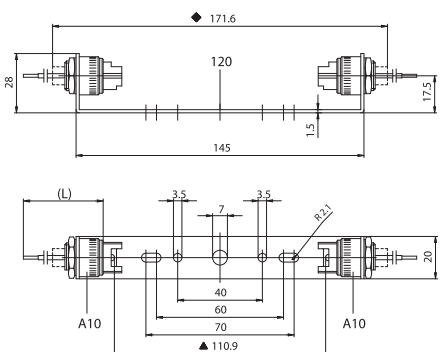


- Dimension for supported lampholder. When lampholder is placed on a plane, it is possible to use all the bracket holes.

- Fixing of the lampholder by M4 screws to be inserted in the holes of the bracket, placed on a plane surface on two supports with a center distance of 60 - 70 mm.



Double insulation

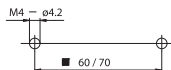


- ▲ Dimension without inserted lamp in the lampholder
- ◆ Maximum jut of the steatite body during lamp insertion

A13: A10 lampholders assembled with spacer bracket in zinc-plated iron for lamps with R7s cap with "Z nom." lamp 114,2 mm with central hole diameter 7 mm art. 120.

A13M: version UR, with device that blocks the lampholder body connected to the line (see A10M).

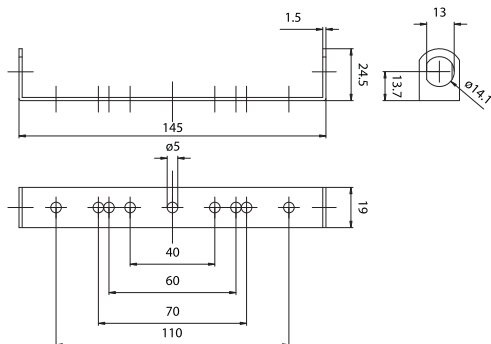
- Weight of the lampholder in standard execution: 75 g.
- Indications to fix the lampholder on structures.



- Dimension for supported lampholder. When lampholder is placed on a plane, it is possible to use all the bracket holes.

- Fixing of the lampholder by M4 screws to be inserted in the holes of the bracket, placed on a plane surface on two supports with a center distance of 60 - 70 mm.

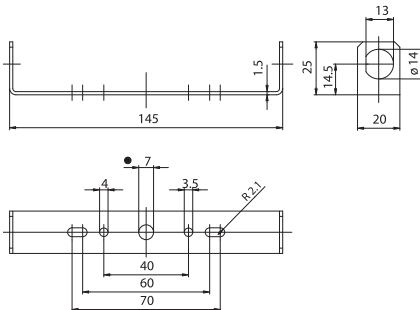
121R



121R: bracket in zinc-plated iron 25 mm high, for lampholders of the A10 series, for R7s lamps with "Z nom." lamp 114,2 mm with central hole diameter 7 mm.

- Weight: 40 g.

121

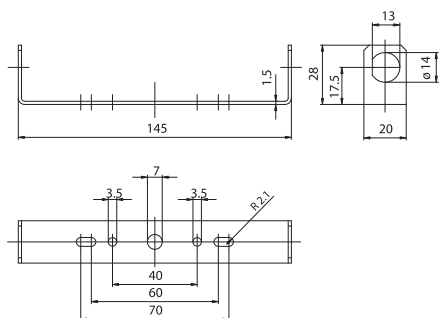


121: bracket in zinc-plated iron 25 mm high, for lampholders of the A10 series, for R7s lamps with "Z nom." lamp 114,2 mm with central hole diameter 7 mm.

- 121G:** ● with central hole diameter 11 mm.
- 121P:** ● with central hole diameter 4,5 mm.

- Weight: 40 g.

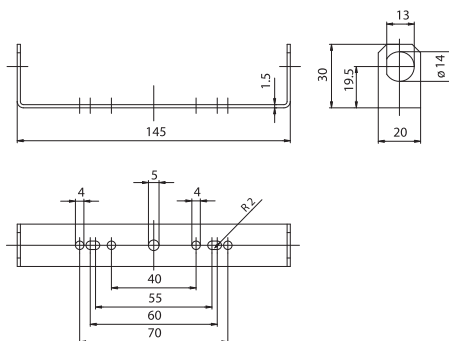
120



120: bracket in zinc-plated iron 28 mm high, for lampholders of the A10 series, for R7s lamps with "Z nom." lamp 114,2 mm.

- Weight: 40 g.

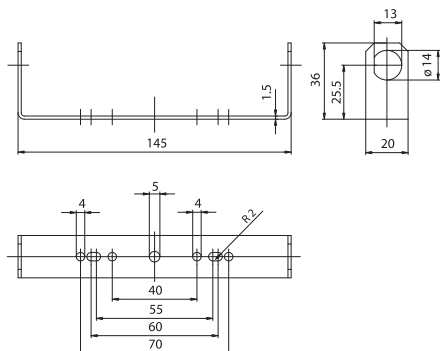
189



189: bracket in zinc-plated iron 30 mm high, for lampholders of the A10 series, for R7s lamps with "Z nom." lamp 114,2 mm.

- Weight: 30 g.

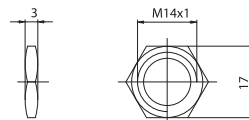
196



196: bracket in zinc-plated iron, 36 mm high, for lampholders of the A10 series, for R7s lamps with "Z nom." lamp 114,2 mm.

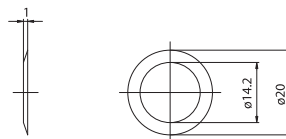
- Weight: 40 g.

119



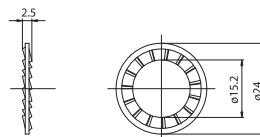
119: nut in nickel-plated brass, with threaded hole M14 x1, hexagonal 17 mm, thickness 3 mm, with double bevelling.

123



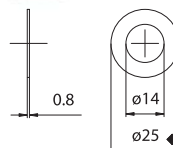
123: steel compensation washer, for lampholders of A10 series, to be used in fixing devices with conical bearing (for instance lampholders bearing forks of die-cast pieces).

142



142: tab washer in zinc-plated steel, for lampholders of A10 series (to be used as tighten guarantee for the eventual ground).

1099-



1099: washer in nickel-plated iron, diameter 25 mm, 0,8 mm thickness, for lampholders of A10 series, to be used as rear cover of the protection glasses.

1099/30: ♦ washer diameter 30 mm.

LAMPHOLDERS FOR INCANDESCENT HALOGEN LAMPS

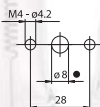
- **Current carrying capacity of cables:**
 - 6A for cables of section until 0,75 mm²
 - 8A for cables of section from 1,00 mm²

- Steatite body.
Aluminium envelope.
Contacts in special nickel-plated alloy.
Springs in normalized stainless steel.
Cable-guide bush in steatite.

- Weight of the lampholders pair in standard execution
(with cables L = 25 cm): 30 g.

- D: fixing distance of the lampholders pairs on rigid structures:
 - 125,7 mm for lamps with R7s cap with "Z nom." lamp 74,9 mm
 - 165,0 mm for lamps with R7s cap with "Z nom." lamp 114,2 mm
 - 236,5 mm for lamps with R7s cap, with "Z nom." lamp 185,7 mm
 - 301,5 mm for lamps with R7s cap, with "Z nom." lamp 250,7 mm
- d: distance between contacts = D - 53,4 mm

- Indications to fix the lampholder on structures.



- Hole for the cable passage

- Fixing of the lampholders pair by M4 screws to be inserted in the holes at center distance 28 mm.

FOR NET TENSION 110 - 250V

A20

1984



Lampholder:

Rated voltage:
Rated current:
Working temperature:
Connected cables
working temperature:
Overvoltage category:
Protection degree (IP):
In conformity to the standards:
In conformity to the requirements
of the directive:

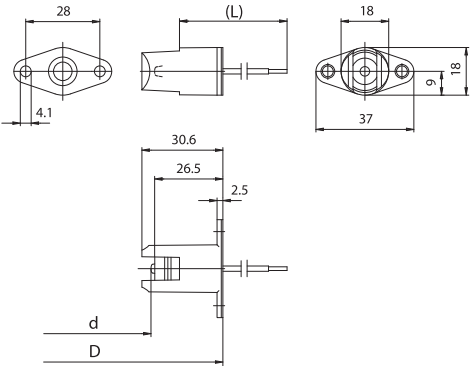
Approval marks:

R7s
500 V
8 A
T 300°C
T 105°± 250°C
III
IP20
EN 60838-1
2014/35/EU
ENEC 03



Single-conductor flexible connecting cables
crimped to the lampholder:

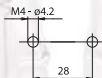
Insulation	T in °C	Conduct.	Available sections in mm²			
			0,50	0,75	1,00	1,50
Silicone <i>Single insulation</i>	180	CuSn	•	•	•	•
Silicone+Silicone <i>Double insulation</i>	180	CuSn		•	•	•
Silicone+glass-braid <i>Single insulation</i>	180	CuSn	•	•	•	•
FEP <i>Single insulation</i>	180	CuSn	•	•	•	•
FEP+FEP <i>Double insulation</i>	180	CuSn	•	•	•	•
FEP+FEP+FEP <i>Triple insulation</i>	180	CuSn	•	•	•	•
PTFE <i>Single insulation</i>	180	CuSn	•	•	•	•
PTFE <i>Single insulation</i>	250	CuNi	•	•	•	•
PTFE+PTFE <i>Double insulation</i>	250	CuNi	•	•	•	
PTFE+PFA <i>Double insulation</i>	250	CuNi		•	•	
PTFE+PFA+PFA <i>Triple insulation</i>	250	CuNi		•		
PFA <i>Single insulation</i>	260	CuNi	•	•	•	
PFA+PFA <i>Double insulation</i>	260	CuNi	•	•		



LAMPHOLDERS FOR INCANDESCENT HALOGEN LAMPS

- **Current carrying capacity of cables:**
 - 6A for cables of section until 0,75 mm²
 - 8A for cables of section from 1,00 mm²

- Steatite body.
Aluminium envelope.
Contacts in special nickel-plated alloy.
Springs in normalized stainless steel.
Cable-guide bush in steatite.
Fixing bracket in zinc-plated iron.
- Weight of the lampholders pair in standard execution
(with cables L= 25 cm): 30 g.
- D: fixing distance of the lampholders pairs on rigid structures:
 - 132,7 mm for lamps with R7s cap with "Z nom." lamp 74,9 mm
 - 172,0 mm for lamps with R7s cap with "Z nom." lamp 114,2 mm
 - 243,5 mm for lamps with R7s cap, with "Z nom." lamp 185,7 mm
 - 308,5 mm for lamps with R7s cap, with "Z nom." lamp 250,7 mm
- d: distance between contacts = D - 60,4 mm
- Indications to fix the lampholder on structures.



- Fixing of the lampholders pair by M4 screws to be inserted in the holes at center distance 28 mm.

FOR NET TENSION 110 - 250V

A22

1984



Lampholder:

Rated voltage:
Rated current:
Working temperature:
Connected cables
working temperature:
Overvoltage category:
Protection degree (IP):
In conformity to the standards:
In conformity to the requirements
of the directive:

R7s
500 V
8 A
T 300°C
T 105°± 250°C
III
IP20
EN 60838-1
2014/35/EU

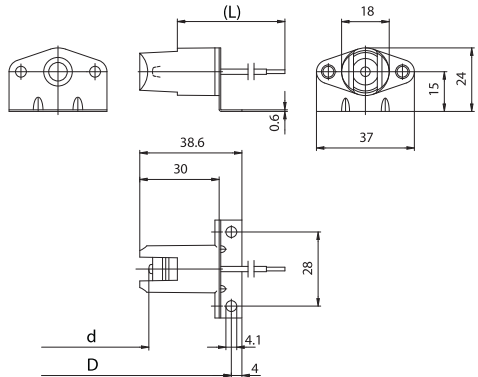
Approval marks:

ENEC 03



Single-conductor flexible connecting cables
crimped to the lampholder:

Insulation	T in °C	Conduct.	Available sections in mm²			
			0,50	0,75	1,00	1,50
Silicone <i>Single insulation</i>	180	CuSn	•	•	•	•
Silicone+Silicone <i>Double insulation</i>	180	CuSn		•	•	•
Silicone+glass-braid <i>Single insulation</i>	180	CuSn	•	•	•	•
FEP <i>Single insulation</i>	180	CuSn	•	•	•	•
FEP+FEP <i>Double insulation</i>	180	CuSn	•	•	•	•
FEP+FEP+FEP <i>Triple insulation</i>	180	CuSn	•	•	•	•
PTFE <i>Single insulation</i>	180	CuSn	•	•	•	•
PTFE <i>Single insulation</i>	250	CuNi	•	•	•	•
PTFE+PTFE <i>Double insulation</i>	250	CuNi	•	•	•	
PTFE+PFA <i>Double insulation</i>	250	CuNi		•	•	
PTFE+PFA+PFA <i>Triple insulation</i>	250	CuNi		•		
PFA <i>Single insulation</i>	260	CuNi	•	•	•	
PFA+PFA <i>Double insulation</i>	260	CuNi	•	•		



LAMPHOLDERS FOR INCANDESCENT HALOGEN LAMPS

A25



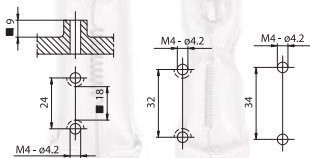
Lampholder whose creepage and clearance distances allow the use in class II fixtures with working voltage up to 250V, if connected with double or triple insulated cables (ref. standard EN 60598.1).

- Steatite body.
Aluminium envelope.
Contacts in special nickel-plated alloy.
Springs in normalized stainless steel.
- Weight of the lampholders pair in standard execution
(with cables L= 25 cm): 25 g.

- D: fixing distance of the lampholders pairs on rigid structures:

D	"Z nom." lamp 74,9 mm	"Z nom." lamp 114,2 mm	"Z nom." lamp 185,7 mm
D (A)	89,2	128,5	200,0
D (B)	100,0	139,3	210,8
D (C)	110,2	149,5	221,0
d=	71,4	110,7	182,2

- Indications to fix the lampholder on structures.



■ Min. dimension

- Fixing of the lampholders pair by M4 screws to be inserted in the chosen fixing holes (with max. head diameter of 7 mm, only if holes with center distance 24 mm are used).

Lampholder:

Maximum power:
Rated voltage:
Working temperature:
Connected cables
working temperature:
In conformity to the standards:

R7s

1500 W
250 V
T 250°C
T 105°± 250°C
UL 496
CSA 22.2 N.43

Approval marks:

cURus

Single-conductor flexible connecting cables, polarized black and white, crimped to the lampholder:

Insulation	T in °C	Conduct.	Available voltages and AWG		
			300V	600V	18AWG
Silicone Single insulation	200	CuSn		•	•
Silicone+glass-braid Single insulation	200	CuSn		•	•
FEP Single insulation	200	CuNi	•	•	•
FEP+FEP Double insulation	200	CuNi	•		•
PTFE Single insulation	250	CuNi	•	•	•
PTFE+PFA Double insulation	250	CuNi	•		•



FOR NET TENSION 110 - 250V

A25

1987



Lampholder:

Rated voltage:
Rated current:
Working temperature:
Connected cables
working temperature:
Overvoltage category:
Protection degree (IP):
In conformity to the standards:
In conformity to the requirements
of the directive:

R7s

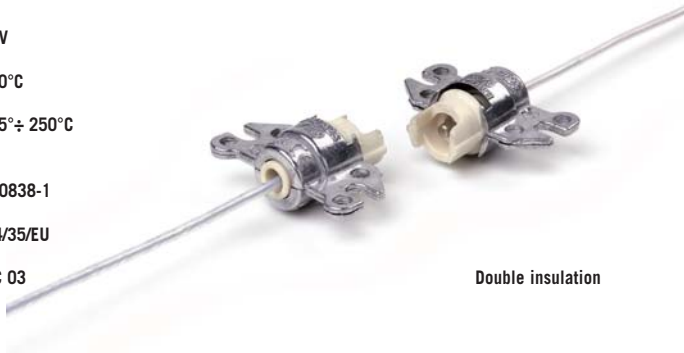
250 V
6 A
T 300°C
T 105°± 250°C
III
IP20
EN 60838-1

2014/35/EU

Approval marks:

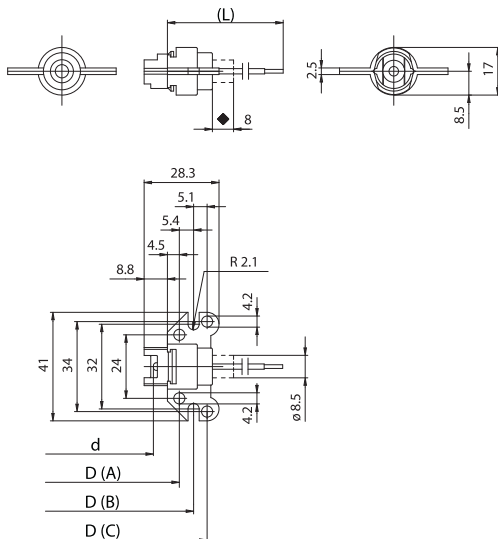
ENEC 03

Double insulation



Single-conductor flexible connecting cables
crimped to the lampholder:

Insulation	T in °C	Conduct.	Available sections in mm²			
			0,50	0,75	1,00	1,50
Silicone <i>Single insulation</i>	180	CuSn	•	•	•	•
Silicone+Silicone <i>Double insulation</i>	180	CuSn		•	•	
Silicone+glass-braid <i>Single insulation</i>	180	CuSn	•	•	•	•
FEP <i>Single insulation</i>	180	CuSn	•	•	•	•
FEP+FEP <i>Double insulation</i>	180	CuSn	•	•	•	•
FEP+FEP+FEP <i>Triple insulation</i>	180	CuSn	•	•		
PTFE <i>Single insulation</i>	180	CuSn	•	•	•	•
PTFE <i>Single insulation</i>	250	CuNi	•	•	•	•
PTFE+PTFE <i>Double insulation</i>	250	CuNi	•	•	•	
PTFE+PFA <i>Double insulation</i>	250	CuNi		•	•	
PTFE+PFA+PFA <i>Triple insulation</i>	250	CuNi		•		
PFA <i>Single insulation</i>	260	CuNi	•	•	•	
PFA+PFA <i>Double insulation</i>	260	CuNi	•	•	•	



♦ Maximum jut of the steatite body during lamp insertion



LAMP HOLDERS FOR INCANDESCENT HALOGEN LAMPS

A40-



Lampholder whose creepage and clearance distances allow the use in class II fixtures with working voltage up to 250V, if connected with double or triple insulated cables (ref. standard EN 60598.1).

- Steatite body.
Contacts in special alloy.
Springs in normalized stainless steel.
- Weight of the lampholder in standard execution (with cables L = 25 cm): 15 g.

Lampholder:

Rated voltage:
Rated current:
Working temperature:
Connected cables
working temperature:
In conformity to the standards:

GZ10 (art. A40) for lamp with
dichroic reflector
GU10 (art. A40B) for lamp with
aluminium reflector
250 V
2 A
T 250°C
T 105° ÷ 250°C
UL 496
CSA 22.2 N.43 (for A40B)

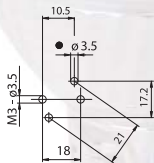
Approval marks:

cURus

Single-conductor flexible connecting cables
crimped to the lampholder:

Insulation	T in °C	Conduct.	Available voltages and AWG		
			300V	600V	18AWG
Silicone Single insulation	200	CuSn		•	•
Silicone+glass-braid Single insulation	200	CuSn		•	•
FEP Single insulation	200	CuNi	•	•	•
FEP+FEP Double insulation	200	CuNi	•		•
PTFE Single insulation	250	CuNi	•	•	•
PTFE+PFA Double insulation	250	CuNi	•		•

- Indications to fix the lampholder on structures.



● Suggested minimum dimension
for cables passage (if necessary)

- Fixing of the lampholder using the holes diameter 3,6 mm at center distance 18 mm (if M3 screws are used, the head diameter should be less than 5,0 mm).



FOR NET TENSION 110 - 250V

A40-

1997



Lampholder:

GZ10 (art. A40) for lamp with dichroic reflector

GU10 (art. A40B) for lamp with aluminium reflector

Rated voltage:
Rated current:
Working temperature:
Connected cables
working temperature:
Overvoltage category:
Protection degree (IP):
In conformity to the standards:
In conformity to the requirements
of the directive:

250 V
2 A
T 300°C

T 105± 250°C
III
IP20
EN 60838-1

2014/35/EU

Approval marks:

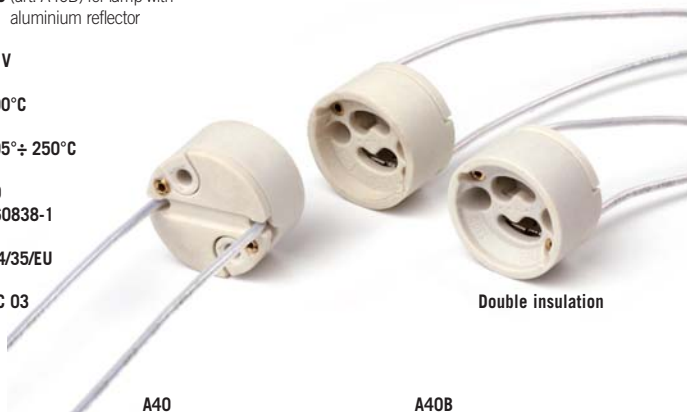
ENEC 03
CQC

A40: lampholder GZ10

A40B: lampholder GU10

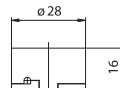
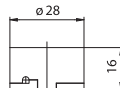
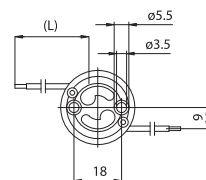
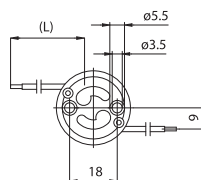
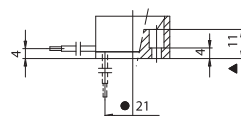
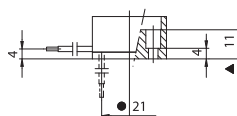
Single-conductor flexible connecting cables
crimped to the lampholder:

Insulation	T in °C	Conduct.	Available sections in mm²			
			0,50	0,75	1,00	1,50
Silicone <i>Single insulation</i>	180	CuSn	•	•	•	
Silicone+glass-braid <i>Single insulation</i>	180	CuSn	•	•		
FEP <i>Single insulation</i>	180	CuSn	•	•	•	
FEP+FEP <i>Double insulation</i>	180	CuSn	•	•		
FEP+FEP+FEP <i>Triple insulation</i>	180	CuSn	•			
PTFE <i>Single insulation</i>	180	CuSn	•	•	•	
PTFE <i>Single insulation</i>	250	CuNi	•	•	•	
PTFE+PTFE <i>Double insulation</i>	250	CuNi	•	•		
PTFE+PFA <i>Double insulation</i>	250	CuNi		•		
PTFE+PFA+PFA <i>Triple insulation</i>	250	CuNi		•		
PFA <i>Single insulation</i>	260	CuNi	•	•	•	
PFA+PFA <i>Double insulation</i>	260	CuNi	•	•		



A40

A40B



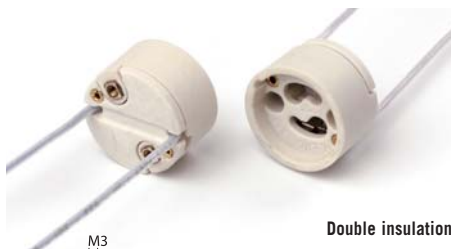
- ▲ Reference plane
- Suggested minimum dimension for cables passage (if necessary)



A40-F



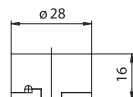
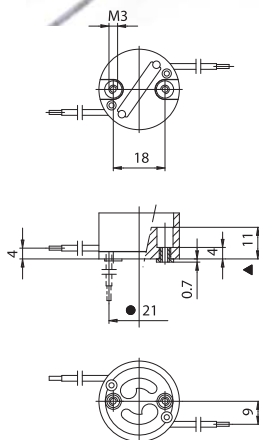
A40-H



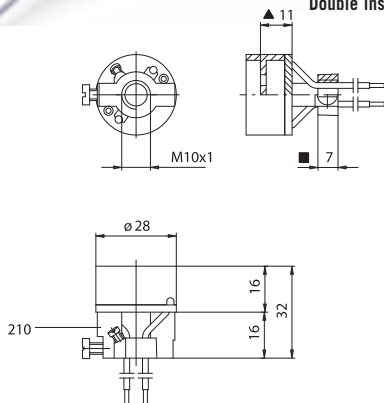
Double insulation



Double insulation



▲ Reference plane



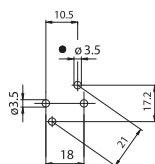
▲ Reference plane ■ Thread depth

A40-F: lampholder A40 - A40B assembled with M3 threaded bushes inserted in the fixing holes at 18 mm center distance (useful for the easy back-fixing of the piece).

- Weight of the lampholder in standard execution: 15 g.
- Indications to fix the lampholder on structures.

A40-H: lampholder A40 - A40B assembled with adapter in white zinc-plated zamak 16 mm high, with threaded hole M10 X1, with screws for nipple-block and ground cable (art. 210).

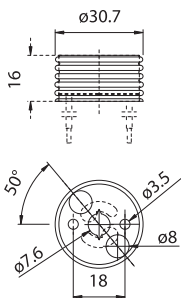
- Weight of the lampholder in standard execution: 35 g.



● Suggested minimum dimension for cables passage (if necessary)

- Fixing of the lampholder by M10 x1 nipples.

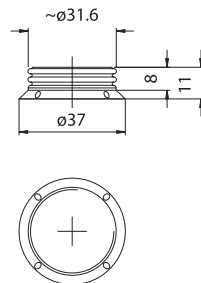
435/16



435/16: case, white zinc-plated iron, with round thread, external diameter 30,7 mm, height 16 mm.

- Weight: 10 g.

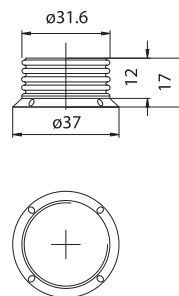
435F/11



435F/11: ring-nut, in white zinc-plated iron, with round thread, external diameter 31,6 mm, height 11 mm, for case 435-.

- Weight: 2,2 g.

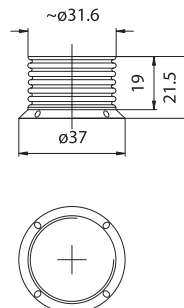
435F/15



435F/15: ring-nut, in white zinc-plated iron, with thread, external diameter 31,6 mm, height 15 mm, for case 435-.

- Weight: 2,2 g.

435F/22



435F/22: ring-nut, in white zinc-plated iron, with round thread, external diameter 31,6 mm, height 22 mm, for case 435-.

- Weight: 2,3 g.

LAMPHOLDERS FOR INCANDESCENT HALOGEN LAMPS

Lampholder whose creepage and clearance distances allow the use in class II fixtures with working voltage up to 250V, if connected with double or triple insulated cables (ref. standard EN 60598.1).

NOTE: back cable-clamp cover to be assembled after having inserted the cables in double or triple insulation, which can exit from the back side or lateral side of the lampholder (ref. standard EN 60598.1 par. 5.2.10.3 "pull test 60 N" and "torsion test 0,15 Nm").

In some applications, it is necessary to guarantee the fastening of the cable-clamps cover by two 3 x 9,5 mm thread-forming screws for plastic, to be inserted in the holes with center distance 24 mm (ref. art. 652).

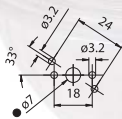
Attention: consider 2 cm of cable loss in lampholder with cables exit from the back side; consider 3 cm of cable loss in lampholder with cables exit from the lateral side.

Note: on request, it is also possible to supply the lampholder with already inserted cables (ref. A42Z or A42U with back side exit, ref. A42ZL or A42UL with lateral side exit).

- Steatite body.
External envelope in black LCP (grey on request).
Contacts in special silver-plated alloy.
Push-in clamps built in the contacts.
Cables exit from the back side or lateral side.
Built in cable-clamp device.

• Glow wire 960° C

- Weight: 23 g.
- Indications to fix the lampholder on structures.



● Suggested minimum dimension for cables passage (if necessary)

- Fixing of the lampholder:
 - by two M3 screws, with maximum head diameter 5,0 mm, 16 mm length + thickness of the material, to be inserted in the holes with center distance 18 mm (available screws M3 x 20 art. 651).
 - by two thread-forming screws for plastic diameter 3 mm, 10 mm length + thickness of the material, to be inserted in the holes with center distance 24 mm positioned in the back side of the lampholder (available thread-forming screws for plastic 3 x 12 mm, ref. art. 526).

A42-



Lampholder:

Rated voltage:
Rated current:
Working temperature:
Type of clamps to connect the cables:

Clamps connecting capacity:
In conformity to the standards:

Approval marks:

GZ10 (art. A42Z) for lamp with dichroic reflector
GU10 (art. A42U) for lamp with aluminium reflector

500 V
2 A
T 240°C

SPRING CLAMPS
(push-in insertion)

18 AWG
UL 496
CSA 22.2 N.43

cURus

Single-conductor flexible connecting cables crimped to the lampholder (arranged with crimped end-terminals l= 6 mm)

Insulation	T in °C	Conduct.	Available voltages and AWG		
			300V	600V	18AWG
FEP Single insulation	200	CuNi	•	•	•
FEP+FEP Double insulation	200	CuNi	•		•
PTFE Single insulation	250	CuNi	•	•	•
PTFE+PFA Double insulation	250	CuNi	•		•



FOR NET TENSION 110 - 250V

A42-

2004



Lampholder:

Rated voltage:
Rated current:
Working temperature:
Type of clamps to connect the cables:
Clamps connecting capacity:
Overvoltage category:
Protection degree (IP):
In conformity to the standards:
In conformity to the requirements of the directive:
Approval marks:

GZ10 (art. A42Z) for lamp with dichroic reflector
GU10 (art. A42U) for lamp with aluminium reflector

500 V
2 A
T 260°C

SPRING CLAMPS (push-in insertion)

0,75 - 1,00 mm²
III
IP20
EN 60838-1

2014/35/EU

ENEC 03
CQC



Double insulation

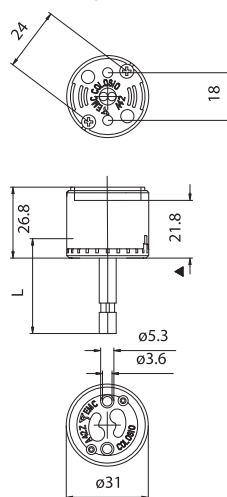
A42Z: lampholder GZ10

A42U: lampholder GU10

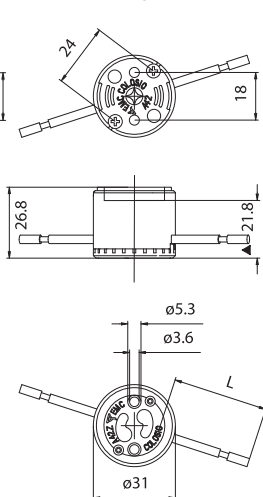
Single-conductor flexible connecting cables which could be connected to the lampholder (arranged with crimped end-terminals):

Insulation	T in °C	Conduct.	Available sections in mm ²			
			0,50	0,75	1,00	1,50
Silicone <i>Single insulation</i>	180	CuSn		•	•	
Silicone+glass-braid <i>Single insulation</i>	180	CuSn		•	•	
FEP <i>Single insulation</i>	180	CuSn		•	•	
FEP+FEP <i>Double insulation</i>	180	CuSn		•	•	
FEP+FEP+FEP <i>Triple insulation</i>	180	CuSn		•		
PTFE <i>Single insulation</i>	180	CuSn		•	•	
PTFE <i>Single insulation</i>	250	CuNi		•	•	
PTFE+PTFE <i>Double insulation</i>	250	CuNi		•	•	
PTFE+PFA <i>Double insulation</i>	250	CuNi		•	•	
PTFE+PFA+PFA <i>Triple insulation</i>	250	CuNi		•		
PFA <i>Single insulation</i>	260	CuNi		•	•	
PFA+PFA <i>Double insulation</i>	260	CuNi		•	•	

A42Z - A42U



A42ZL - A42UL



▲ Reference plane



LAMP HOLDERS FOR INCANDESCENT HALOGEN LAMPS

A60A



Lampholder whose creepage and clearance distances allow the use in class II fixtures with working voltage up to 250V, if connected with double or triple insulated cables (ref. standard EN 60598.1).

Solid fixing steel structure, independent from the body, which allows to carry out quick and safe fixing of the lampholder. This solves the problem of the easy breaking, during the fixing process, of the existing lampholders.

- Steatite body.
Contacts in special alloy.
Retaining springs in stainless steel.
- Weight of the lampholder in standard execution (with cables L = 25 cm): 10 g.

PATENTED

Lampholder:	G9
Rated voltage:	250 V
Rated current:	2 A
Working temperature:	T 250°C
Connected cables working temperature:	T 105°÷ 250°C
In conformity to the standards:	UL 496 CSA 22.2 N.43
Approval marks:	cURus

Single-conductor flexible connecting cables crimped to the lampholder:

Insulation	T in °C	Conduct.	Available voltages and AWG		
			300V	600V	18AWG
Silicone Single insulation	200	CuSn		•	•
FEP Single insulation	200	CuNi	•	•	•
FEP+FEP Double insulation	200	CuNi	•		•
PTFE Single insulation	250	CuNi	•	•	•
PTFE+PFA Double insulation	250	CuNi	•		•

- Instructions to fix the lampholder on structures: snap-in fixing on the support bracket inserted in the accessories presented in the following pages.



Attention: in the end product the cables connected to this lampholder should not be accessible during the normal replacement operations of the lamp (if accessible a cord-grip device should be provided).



FOR NET TENSION 110 - 250V

A60A

1999



PATENTED

Lampholder:

G9

Rated voltage:

250 V

Rated current:

2 A

Working temperature:

T 280°C

Connected cables

working temperature:

T 105± 250°C

Overvoltage category:

III

Protection degree (IP):

IP20

In conformity to the standards:

EN 60838-1

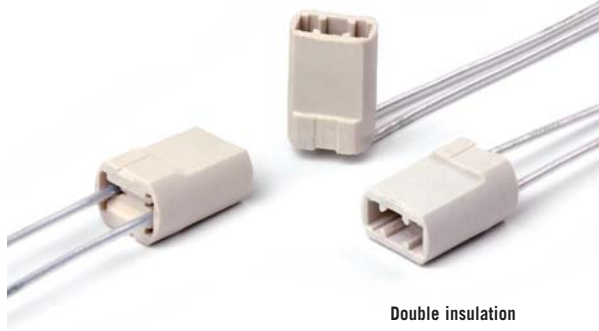
In conformity to the requirements of the directive:

2014/35/EU

Approval marks:

ENEC 03

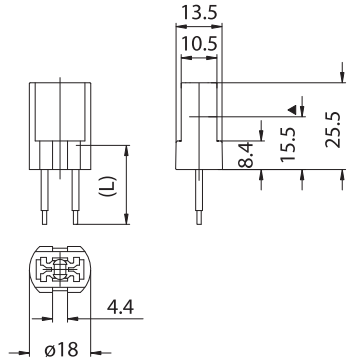
CQC



Double insulation

Single-conductor flexible connecting cables
crimped to the lampholder:

Insulation	T in °C	Conduct.	Available sections in mm²			
			0,50	0,75	1,00	1,50
Silicone <i>Single insulation</i>	180	CuSn	•	•	•	
Silicone+glass-braid <i>Single insulation</i>	180	CuSn	•	•		
FEP <i>Single insulation</i>	180	CuSn	•	•	•	
FEP+FEP <i>Double insulation</i>	180	CuSn	•	•	•	
FEP+FEP+FEP <i>Triple insulation</i>	180	CuSn	•	•		
PTFE <i>Single insulation</i>	180	CuSn	•	•	•	
PTFE <i>Single insulation</i>	250	CuNi	•	•	•	
PTFE+PTFE <i>Double insulation</i>	250	CuNi	•	•	•	
PTFE+PFA <i>Double insulation</i>	250	CuNi		•	•	
PTFE+PFA+PFA <i>Triple insulation</i>	250	CuNi		•		
PFA <i>Single insulation</i>	260	CuNi	•	•	•	
PFA+PFA <i>Double insulation</i>	260	CuNi	•	•	•	



▲ Reference plane



LAMP HOLDERS FOR INCANDESCENT HALOGEN LAMPS

Lampholder whose creepage and clearance distances allow the use in class II fixtures with working voltage up to 250V, if connected with double or triple insulated cables (ref. standard EN 60598.1).

The lampholder has a quick connection system of the cables with double entrance spring clamp, which allows the application in parallel of more lampholders.

Solid fixing steel structure, independent from the body, which allows to carry out quick and safe fixing of the lampholder. This solves the problem of the easy breaking, during the fixing process, of the existing lampholders.

- Steatite body.
Contacts in special alloy.
Spring clamps with double insert ways (two each contact), push-in insertion already built in the lampholder.
Retaining spring in stainless steel.
- Weight: 10 g.

- Instructions to fix the lampholder on structures: snap-in fixing on the support bracket inserted in the accessories presented in the following pages.



A66



PATENTED

Lampholder:	G9
Rated voltage:	250 V
Rated current:	2 A
Working temperature:	T 250°C
Type of clamps to connect the cables:	SPRING CLAMPS (push-in insertion)
Clamps connecting capacity:	18 AWG
In conformity to the standards:	UL 496 CSA 22.2 N.43
Approval marks:	cURus

Single-conductor flexible connecting cables crimped to the lampholder (arranged with crimped end-terminals l = 6 mm, or stripping l = 6 mm)

Insulation	T in °C	Conduct.	Available voltages and AWG		
			300V	600V	18AWG
FEP Single insulation	200	CuNi	•	•	•
FEP+FEP Double insulation	200	CuNi	•		•
PTFE Single insulation	250	CuNi	•	•	•
PTFE+PFA Double insulation	250	CuNi	•		•

Attention: in the end product the cables connected to this lampholder should not be accessible during the normal replacement operations of the lamp (if accessible a cord-grip device should be provided).



FOR NET TENSION 110 - 250V

A66

2003



PATENTED

Lampholder:

G9

Rated voltage:

250 V

Rated current:

2 A

Working temperature:

T 280°C

Type of clamps
to connect the cables:

**SPING CLAMPS
(push-in insertion)**

Clamps connecting
capacity:

0,50 - 0,75 mm²

Overvoltage category:

III

Protection degree (IP):

IP20

In conformity to the standards:

EN 60838-1

In conformity to the requirements
of the directive:

2014/35/EU

Approval marks:

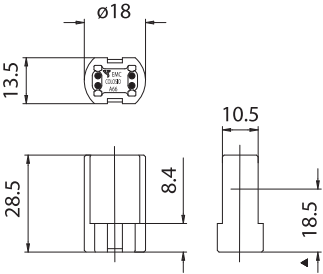
ENEC 03

CQC

Double insulation

Single-conductor flexible connecting cables which could be connected to the lampholder (arranged with crimped end-terminals, or with stripping 6 mm, or with tinning 6 mm):

Insulation	T in °C	Conduct.	Available sections in mm ²			
			0,50	0,75	1,00	1,50
Silicone <i>Single insulation</i>	180	CuSn	•	•		
FEP <i>Single insulation</i>	180	CuSn	•	•		
FEP+FEP <i>Double insulation</i>	180	CuSn	•	•		
FEP+FEP+FEP <i>Triple insulation</i>	180	CuSn	•	•		
PTFE <i>Single insulation</i>	180	CuSn	•	•		
PTFE <i>Single insulation</i>	250	CuNi	•	•		
PTFE+PTFE <i>Double insulation</i>	250	CuNi	•	•		
PTFE+PFA <i>Double insulation</i>	250	CuNi		•		
PTFE+PFA+PFA <i>Triple insulation</i>	250	CuNi		•		
PFA <i>Single insulation</i>	260	CuNi	•	•		
PFA+PFA <i>Double insulation</i>	260	CuNi	•	•		



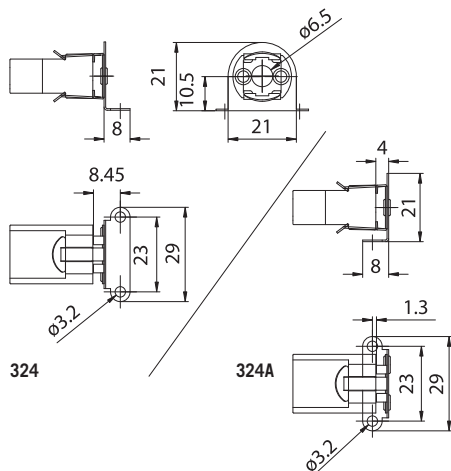
▲ Reference plane



324-



Double insulation



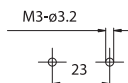
324

324A

324: 90° bracket, for lampholders A60A and A66, in nickel-plated iron, with fixing holes diameter 3,2 mm, with 23 mm center distance, turned towards the cables.

324A: 90° bracket, in nickel-plated iron, with fixing holes diameter 3,2 mm with 23 mm center distance, turned towards the lampholder.

- Weight: 4 g.
- Instructions to fix the bracket on the structure.

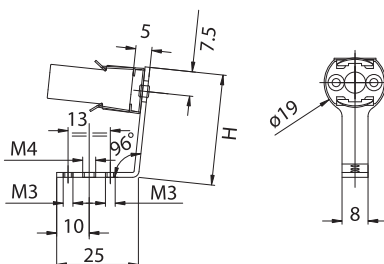


- Bracket fixing by holes diameter 3,2 mm with center distance 23 mm.
- Snap-in fixing to the lampholders.

413-



Double insulation



413-: 96° bracket, for lampholders A60A and A66, in zinc-plated iron, with M3 fixing holes, with 13 mm center distance, and M4 hole.

413/19: bracket with lateral side height 19 mm (H)

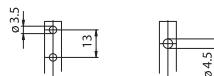
413/23: bracket with lateral side height 23 mm (H)

413/29: bracket with lateral side height 29 mm (H)

413/31: bracket with lateral side height 31 mm (H)

Note: It is also possible to supply the bracket with earth clamp (ref. art. 413T/-).

- Weight: 7 g.
- Instructions to fix the bracket on the structure.



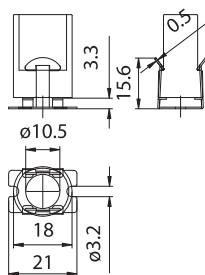
- Fixing of the bracket by screws to be tightened in the chosen threaded holes.
- Snap-in fixing to the lampholders.

319A



PATENTED

Double insulation

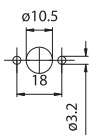


536

319A: support bracket, for lampholders A60A and A66, in steel, with fixing holes diameter 3,2 mm with center distance 18 mm.

Available screws M3 x 8 mm with rounded hexagonal head, diameter 5,7 mm, key 2 mm, in white zinc-plated steel (art. 536).

- Weight: 2 g.
- Instructions to fix the bracket on the structure.



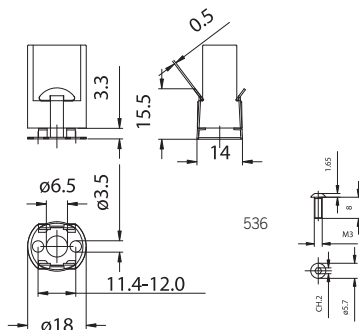
- Bracket fixing by holes diameter 3,2 mm with center distance 18 mm.
- Snap-in fixing to the lampholders.

319



PATENTED

Double insulation

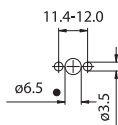


536

319: support bracket, for lampholders A60A and A66, in steel, with fixing slotted holes diameter 3,2 mm with center distance 11,4 - 12,0 mm.

Available screws M3 x 8 mm with rounded hexagonal head, diameter 5,7 mm, key 2 mm, in white zinc-plated steel (art. 536).

- Weight: 2 g.
- Instructions to fix the bracket on the structure.



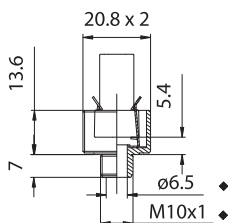
• Suggested minimum dimension for cables passage (if necessary)

- Bracket fixing by holes diameter 3,2 mm with center distance 11,4 - 12 mm.
- Snap-in fixing to the lampholders.

490M



Double insulation



◆ M8 x1 - $\varnothing$ 4,8 mm

490M: adapter, for lampholders A60A and A66, in nickel-plated brass, with round thread 20,8 x2 mm, height 13 mm, with male thread M10 x1.

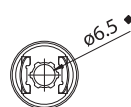
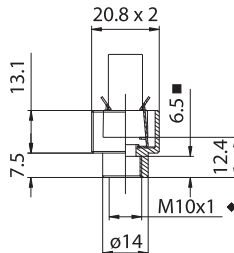
490MA: ◆ version with male thread M8 x1.

• Weight: 12 g.

490



Double insulation



◆ M8 x1 - $\varnothing$ 4,8 mm ■ Thread depth

490: adapter, for lampholders A60A and A66, in nickel-plated brass, with round thread 20,8 x2 mm, height 13 mm, with female thread M10 x1.

490A: ◆ version with female thread M8 x1.

• Weight: 15 g.

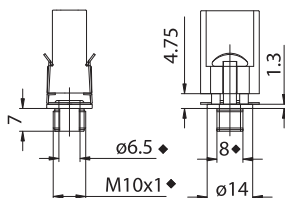
- Fixing of the adapter in faceted holes.
- Snap-in fixing to the lampholders.

- Fixing of the adapter by threaded nipples.
- Snap-in fixing to the lampholders.

320M



Double insulation



◆ M8 x1 - 6,2 - $\varnothing$ 4,8 mm

320M: male nipple, for lampholders A60A and A66, in nickel-plated brass, with thread M10 x1.

320MA: ◆ version with nipple thread M8 x1.

- Weight: 5 g.
- Instructions to fix the nipple on the structure.



320M



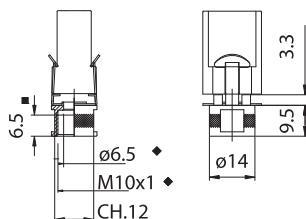
320MA

- Fixing of the adapter in faceted holes.
- Snap-in fixing to the lampholders.

320



Double insulation



◆ M8 x1 - $\varnothing$ 4,8 mm ■ Thread depth

320: female nipple, for lampholders A60A and A66, in nickel-plated brass, with threaded hole M10 x1.

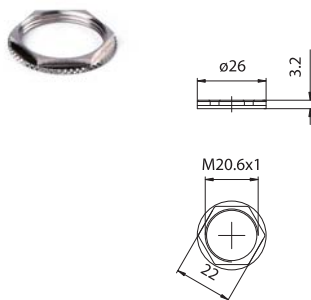
320A: ◆ version with nipple threaded hole M8 x1.

320Z - 320AZ: version nipple equipped with M3 dowel, without head, for nipple-block.

- Weight: 8 g.

- Fixing of the adapter by threaded nipples.
- Snap-in fixing to the lampholders.

334

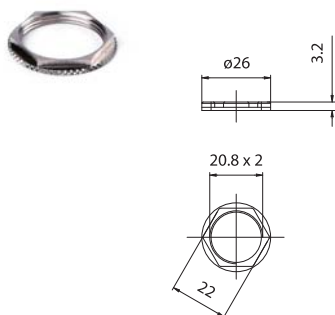


334: ring-nut threaded M20,6 x1, diameter 26 mm, with hexagonal profile key 22 mm, for adapters 333- and 335-.

Note: to easily fix the ring-nut 334 it is also available an hexagonal recessed indent key 22 (ref. art. 440).

- Weight: 3 g.

734

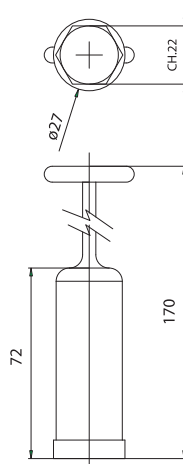


734: ring-nut round threaded 20,8 x2 mm, diameter 26mm, with hexagonal profile key 22 mm, for adapters 490- and 420-.

Note: to easily fix the ring-nut 734 it is also available an hexagonal recessed indent key 22 (ref. art. 440).

- Weight: 3 g.

440



440: key with hexagonal indent form 22 mm, in PA66, for art. 334, ring-nut threaded M20,6 x1 or art. 734, ring-nut round threaded 20,8 x2 mm.

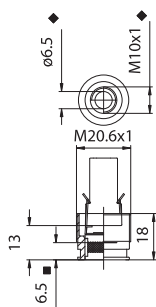
- Weight: 18 g.

335



PATENTED

Double insulation



◆ M8 x1 - $\varnothing$ 4,8 mm ■ Thread depth

335: adapter, for lampholders A60A and A66, in nickel-plated brass, with external thread M20,6 x1 and threaded hole M10 x1.

335A: ◆ version with threaded hole M8 x1.

335Z - 335AZ: version equipped with M3 dowel, without head, for nipple-block.

• Weight: 20 g.

Note: it is possible to process similar customized accessories upon customer's request.

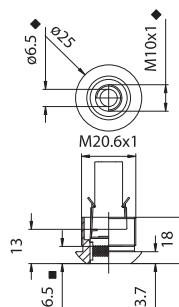
- Fixing of the adapter by threaded nipples.
- Snap-in fixing to the lampholders.

333



PATENTED

Double insulation



◆ M8 x1 - $\varnothing$ 4,8 mm ■ Thread depth

333: adapter, for lampholders A60A and A66, in nickel-plated brass, with external thread M20,6 x1, ledge 25 mm, and threaded hole M10 x1.

333A: ◆ version with threaded hole M8 x1.

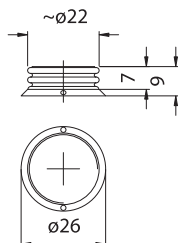
333Z - 333AZ: version equipped with M3 dowel, without head, for nipple-block.

• Weight: 25 g.

Note: it is possible to process similar customized accessories upon customer's request.

- Fixing of the adapter by threaded nipples.
- Snap-in fixing to the lampholders.

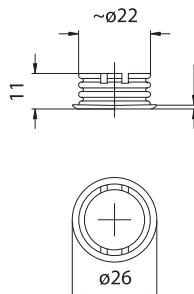
420F/9



420F/9: ring-nut, white zinc-plated iron, with round thread 20,8 x2 mm, height 9 mm, for adapter 420-.

- Weight: 1,5 g.

420FV/11T3

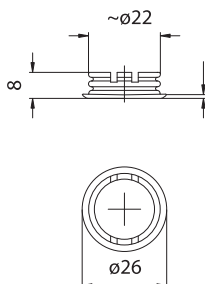


420FV/11T3: ring-nut, in white zinc-plated iron, with plain ledge with round thread 20,8 x2 mm, height 11 mm, with rifts, for adapter 420-.

- Weight: 1,5 g.

Note: this ring-nut works properly when inserted in holes diameter 22 ± 0,2 mm.

420FV/8T3

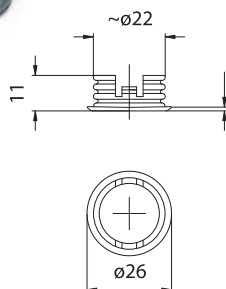


420FV/8T3: ring-nut, in white zinc-plated iron, with plain ledge with round thread 20,8 x2 mm, height 8 mm, with rifts, for adapter 420-.

- Weight: 1,5 g.

Note: this ring-nut works properly when inserted in holes diameter 22 ± 0,2 mm.

420FV/11T63



420FV/11T63: ring-nut, in white zinc-plated iron, with plain ledge with round thread 20,8 x2 mm, height 11 mm, with rifts, for adapter 420-.

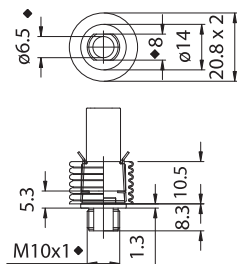
- Weight: 1,5 g.

Note: this ring-nut works properly when inserted in holes diameter 22 ± 0,2 mm.

420M



Double insulation



◆ M8 x1 - 6,2 - ø 4,8 mm

420M: adapter, for lampholders A60A and A66, in white zinc-plated iron, with round thread 20,8 x2 mm, height 10,5 mm, with nickel-plated brass male nipple with thread M10 x1.

420MA: ◆ version with nipple thread M8 x1.

- Weight: 7 g.
- Instructions to fix the adapter on the structure.



420M



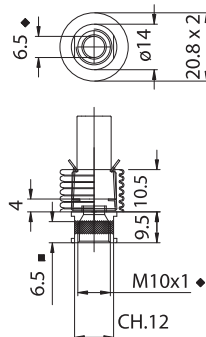
420MA

- Fixing of the adapter in faceted holes.
- Snap-in fixing to the lampholders.

420



Double insulation



◆ M8 x1 - ø 4,8 mm ■ Thread depth

420: adapter, for lampholders A60A and A66, in white zinc-plated iron, with round thread 20,8 x2 mm, height 10,5 mm, with nickel-plated brass female nipple with threaded hole M10 x1.

420A: ◆ version with female nipple threaded M8 x1.

420Z - 420AZ: version nipple equipped with M3 dowel, without head, for nipple-block.

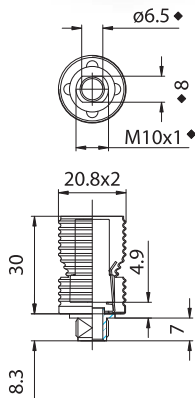
- Weight: 10 g.

- Fixing of the adapter by threaded nipples.
- Snap-in fixing to the lampholders.

420/30M



Double insulation



◆ M8 x1 - 6,2 - ø 4,8 mm

420/30M: adapter, for lampholders A60A and A66, in white zinc-plated iron, with round thread 20,8 x2 mm, height 30 mm, with nickel-plated brass male nipple with thread M10 x1.

420/30MA: ◆ version with nipple thread M8 x1.

- Weight: 9 g.
- Instructions to fix the adapter on the structure.



420/30M



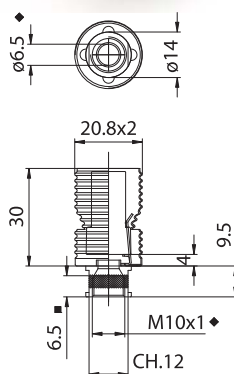
420/30MA

- Fixing of the adapter in faceted holes.
- Snap-in fixing to the lampholders.

420/30



Double insulation



◆ M8 x1 - ø 4,8 mm ■ Thread depth

420/30: adapter, for lampholders A60A and A66, in white zinc-plated iron, with round thread 20,8 x2 mm, height 30 mm, with nickel-plated brass female nipple with threaded hole M10 x1.

420/30A: ◆ version with female nipple threaded M8 x1.

420/30Z - 420/30AZ: version nipple equipped with M3 dowel, without head, for nipple-block.

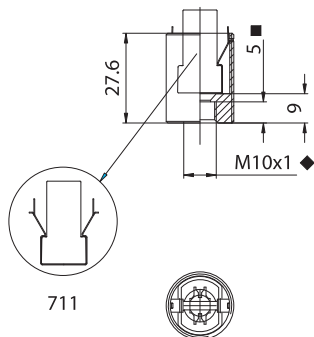
- Weight: 12 g.

- Fixing of the adapter by threaded nipples.
- Snap-in fixing to the lampholders.

740



Double insulation



◆ M8 x1 - $\varnothing$ 4,8 mm ■ Thread depth

740: adapter, for lampholders A60A and A66, in nickel-plated brass, with external round thread 20,8 x2 mm, height 27,6 mm, and threaded hole M10 x1.

- Fixing of the lampholder to the adapter with retaining spring, art. 711, assembled to the lampholder during its insertion in the adapter.

740A: ◆ version with threaded hole M8 x1.

- Weight: 30 g.

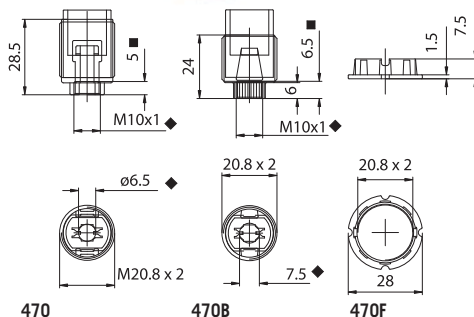
Note: it is possible to process similar customized accessories upon customer's request.

- Fixing of the adapter by threaded nipples.
- Fixing of the lampholder by release of the retaining spring art. 711.

470-



Double insulation



470

470B

470F

◆ M8 x1 - $\varnothing$ 4,8 mm ■ Thread depth

470: adapter, for lampholders A60A and A66, in natural LCP T260°C, with external round thread 20,8 x2 mm, height 28,5 mm, and threaded hole M10 x1.

470A: ◆ version with threaded hole M8 x1.

- Weight: 3 g.

470B: adapter, for lampholders A60A and A66, in natural PPS T210°C, with external round thread 20,8 x2 mm, height 24 mm, and threaded hole M10 x1.

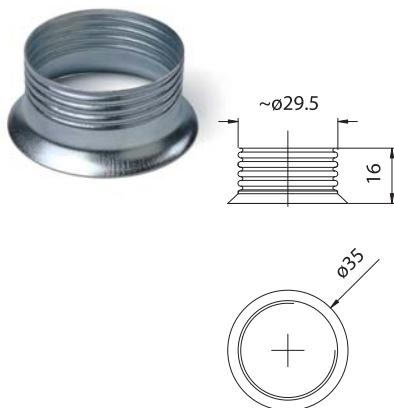
- Weight: 2 g.

470F: ring-nut, in natural LCP, with round thread 20,8 x2 mm, height 7,5 mm, for adapter 470-.

- Weight: 1 g.

- Fixing of the adapter by threaded nipples.
- Snap-in fixing to the lampholders.

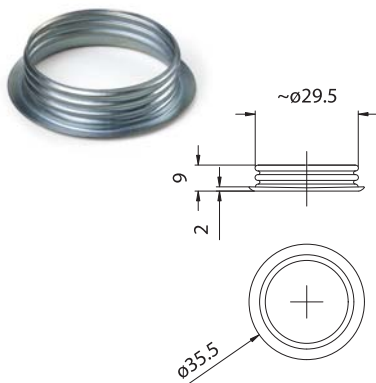
428F/16



428F/16: ring-nut, in white zinc-plated iron, with round thread 28 x2 mm, height 16 mm, for adapter 428.

- Weight: 3,5 g.

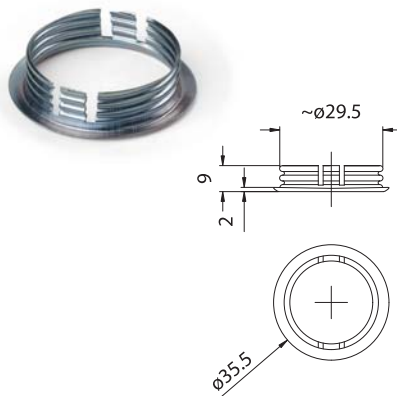
428FV/9



428FV/9: ring-nut, in white zinc-plated iron, with plain ledge with round thread 28 x2 mm, height 9 mm, for adapter 428-.

- Weight: 2 g.

428FV/9T6



428FV/9T6: ring-nut, in white zinc-plated iron, with plain ledge with round thread 28 x2 mm, height 9 mm, with rifts, for adapter 428-.

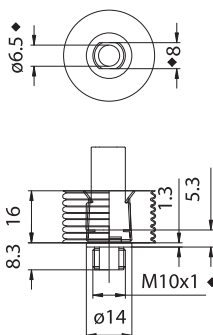
- Weight: 2 g.

Note: this ring-nut works properly when inserted in holes diameter $29,5 \pm 0,2$ mm.

428M



Double insulation



◆ M8 x1 - 6,2 - $\varnothing$ 4,8 mm

428M: adapter, for lampholders A60A and A66, in white zinc-plated iron, with round thread 28 x2 mm, height 16 mm, with nickel-plated brass male nipple with thread M10 x1.

428MA: ◆ version with nipple thread M8 x1.

- Weight: 9 g.
- Instructions to fix the adapter on the structure.



428M



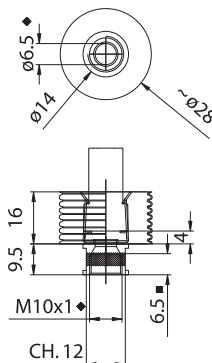
428MA

- Fixing of the adapter in faceted holes.
- Snap-in fixing to the lampholders.

428



Double insulation



◆ M8 x1 - $\varnothing$ 4,8 mm ■ Thread depth

428: adapter, for lampholders A60A and A66, in white zinc-plated iron, with round thread 28 x2 mm, height 16 mm, with nickel-plated brass female nipple with threaded hole M10 x1.

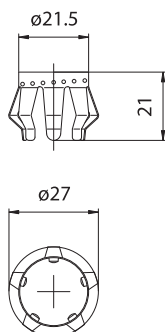
428A: ◆ version with female nipple threaded M8 x1.

428Z - 428AZ: version nipple equipped with M3 dowel, without head, for nipple-block.

- Weight: 12 g.

- Fixing of the adapter by threaded nipples.
- Snap-in fixing to the lampholders.

439

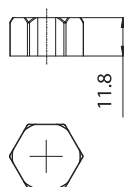


439: “spider” spring, in nickel-plated steel, used to hold glasses with internal hole from 22 to 25 mm to be fastened on specific structures or with the adapters or cases with round thread.

- Weight: 3 g.

Attention: in order to use properly the glass-holder springs, we recommend to carefully evaluate the tolerances of the hole, the glass thickness and the weight of the glass itself.

442



442: hexagonal spring, in steel , height 11,8 mm, used to hold the glass with internal hole diameter 22 ÷ 22,5 mm to be housed on specific structures (see our item 443).

- Weight: 1,2 g.

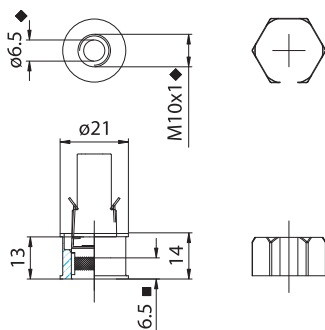
Attention: in order to use properly the glass-holder springs, we recommend to carefully evaluate the tolerances of the hole, the glass thickness and the weight of the glass itself.

465



Double insulation

442



◆ M8 x1 - $\varnothing$ 4,8 mm ■ Thread depth

465: adapter, for lampholders A60A and A66, in nickel-plated brass, with glass-holder spring for glasses with holes diameter $22 \pm 22,5$ and threaded hole M10 x1.

- Glass-holder spring, in steel, included but not assembled on the piece (art. 442).

465A: ◆ version with threaded hole M8 x1.

465Z - 465AZ: version equipped with M3 dowel, without head, for nipple-block.

- Weight: 20 g.

ATTENTION: in order to use properly the glass-holder springs, we recommend to carefully evaluate the tolerances of the hole, the glass thickness and the weight of the glass itself.

Note: it is possible to process similar customized accessories upon customer's request.

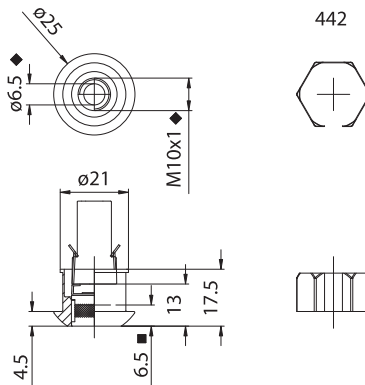
- Fixing of the adapter by threaded nipples.
- Snap-in fixing to the lampholders.

443



Double insulation

442



◆ M8 x1 - $\varnothing$ 4,8 mm ■ Thread depth

443: adapter, for lampholders A60A and A66, in nickel-plated brass, with glass-holder spring for glasses with holes diameter $22 \pm 22,5$, ledge diameter 25 mm, and threaded hole M10 x1.

- Glass-holder spring, in steel, included but not assembled on the piece (art. 442).

443A: ◆ version with threaded hole M8 x1.

443Z - 443AZ: version equipped with M3 dowel, without head, for nipple-block.

- Weight: 25 g.

ATTENTION: in order to use properly the glass-holder springs, we recommend to carefully evaluate the tolerances of the hole, the glass thickness and the weight of the glass itself.

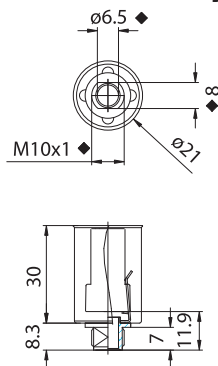
Note: it is possible to process similar customized accessories upon customer's request.

- Fixing of the adapter by threaded nipples.
- Snap-in fixing to the lampholders.

488M



Double insulation



◆ M8 x1 - 6,2 - ø 4,8 mm

488M: adapter, for lampholders A60A and A66, in white zinc-plated iron, diameter 21 mm, height 30 mm, with nickel-plated brass male nipple with thread M10 x1.

488MA: ◆ version with nipple thread M8 x1.

- Weight: 9 g.
- Instructions to fix the adapter on the structure.



488M



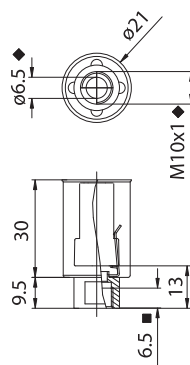
488MA

- Fixing of the adapter in faceted holes.
- Snap-in fixing to the lampholders.

488



Double insulation



◆ M8 x1 - ø 4,8 mm ■ Thread depth

488: adapter, for lampholders A60A and A66, in white zinc-plated iron, diameter 21 mm, height 30 mm, with nickel-plated brass female nipple with threaded hole M10 x1.

488A: ◆ version with female nipple threaded M8 x1.

488Z - 488AZ: version nipple equipped with M3 dowel, without head, for nipple-block.

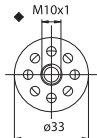
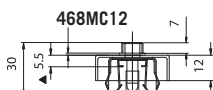
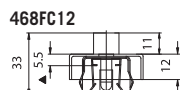
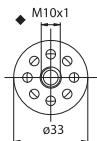
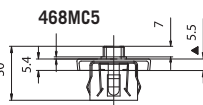
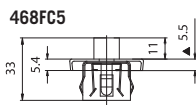
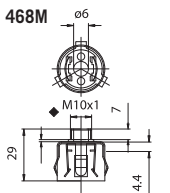
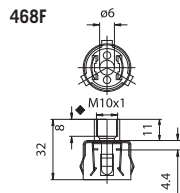
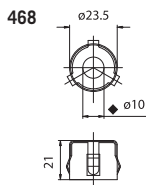
- Weight: 12 g.

- Fixing of the adapter by threaded nipples.
- Snap-in fixing to the lampholders.

468-



Double insulation



◆ M8 x1 - $\varnothing$ 4,8 mm

468: case, for lampholders A60A and A66, in white zinc-plated iron, diameter 23,5 mm and 21 mm height, with glass-holder spring used to hold pyrex tubes with internal diameter 24mm.

468F - 468FA: case 468 with support bracket for the lampholders and nickel-plated brass female nipple with threaded hole M10 x1 (468F) or M8 x1 (468FA).

468M - 468MA: case 468 with support bracket for the lampholders and nickel-plated brass male nipple with thread M10 x1 (468M) or M8 x1 (468MA).

468FC5 - 468FAC5: case 468 with support bracket for the lampholders, chrome-plated iron cover flange, with holes and edge 5,4 mm height, and brass female nipple with threaded hole M10 x1 (468FC5) or M8 x1 (468FAC5). Other cover flange finishings on request.

468MC5 - 468MAC5: case 468 with support bracket for the lampholders, chrome-plated iron cover flange with holes and edge 5,4 mm height, and brass male nipple with thread M10 x1 (468MC5) or M8 x1 (468MAC5). Other cover flange finishings on request.

468FC12 - 468FAC12: case 468 with support bracket for the lampholders, chrome-plated iron cover flange with holes and edge 12 mm height, and brass female nipple with threaded hole M10 x1 (468FC12) or M8 x1 (468FAC12). Other cover flange finishings on request.

468MC12 - 468MAC12: case 468 with support bracket for the lampholders, chrome-plated iron cover flange with holes and edge 12 mm height, and brass male nipple with thread M10 x1 (468MC12) or M8 x1 (468MAC12). Other cover flange finishings on request.

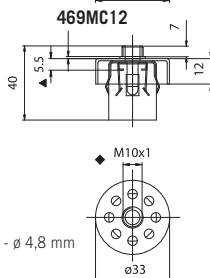
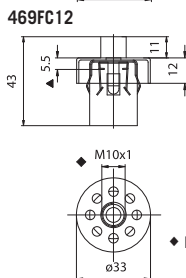
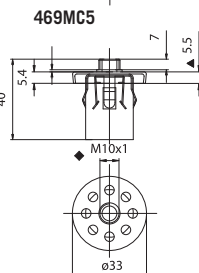
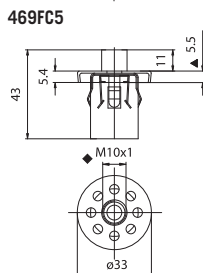
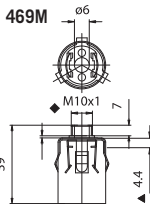
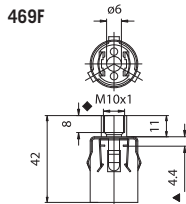
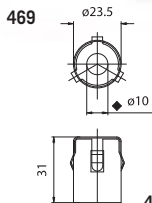
ATTENTION: in order to use properly the glass-holder springs, we recommend to carefully evaluate the tolerances of the hole, the glass thickness and the weight of the glass itself.

- Fixing of the adapter by threaded nipples.
- Snap-in fixing to the lampholders.

469-



Double insulation



♦ M8 x1 - ø 4,8 mm

469: case, for lampholders A60A and A66, in white zinc-plated iron, diameter 23,5 mm and 31 mm height, with glass-holder spring used to hold pyrex tubes with internal diameter 24mm.

469F - 469FA: case 469 with support bracket for the lampholders and nickel-plated brass female nipple with threaded hole M10 x1 (469F) or M8 x1 (469FA).

469M - 469MA: case 469 with support bracket for the lampholders and nickel-plated brass male nipple with thread M10 x1 (469M) or M8 x1 (469MA).

469FC5 - 469FAC5: case 469 with support bracket for the lampholders, chrome-plated iron cover flange, with holes and edge 5,4 mm height, and brass female nipple with threaded hole M10 x1 (469FC5) or M8 x1 (469FAC5). Other cover flange finishings on request.

469MC5 - 469MAC5: case 469 with support bracket for the lampholders, chrome-plated iron cover flange with holes and edge 5,4 mm height, and brass male nipple with thread M10 x1 (469MC5) or M8 x1 (469MAC5). Other cover flange finishings on request.

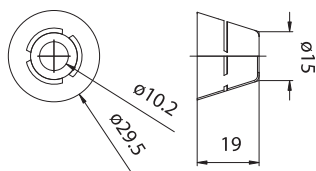
469FC12 - 469FAC12: case 469 with support bracket for the lampholders, chrome-plated iron cover flange with holes and edge 12 mm height, and brass female nipple with threaded hole M10 x1 (469FC12) or M8 x1 (469FAC12). Other cover flange finishings on request.

469MC12 - 469MAC12: case 469 with support bracket for the lampholders, chrome-plated iron cover flange with holes and edge 12 mm height, and brass male nipple with thread M10 x1 (469MC12) or M8 x1 (469MAC12). Other cover flange finishings on request.

ATTENTION: in order to use properly the glass-holder springs, we recommend to carefully evaluate the tolerances of the hole, the glass thickness and the weight of the glass itself.

- Fixing of the adapter by threaded nipples.
- Snap-in fixing to the lampholders.

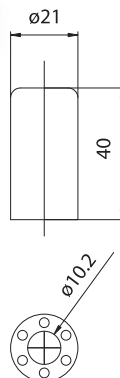
427



427: conical case, in raw iron, external diameter 29,5 mm, height 19 mm.

- Weight: 6 g.

423-



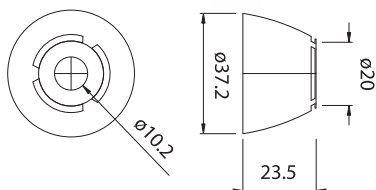
423: case, in white zinc-plated iron, external diameter 21 mm, height 40 mm.

423g: case as above but in raw iron.

4230T: case as above but in raw brass.

- Weight: 6 g.

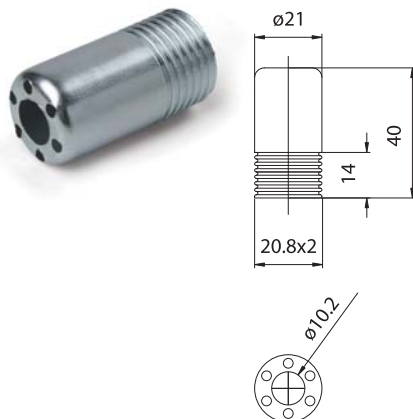
431



431: conical case, in raw iron, external diameter 37,2 mm, height 23,5 mm.

- Weight: 10 g.

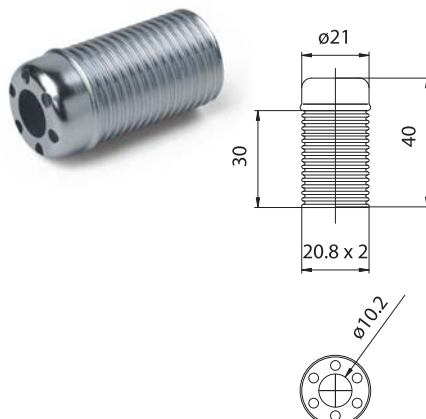
423/14



423/14: case, in white zinc-plated iron, external diameter 21 mm, height 40 mm, with partial round thread 20,8 x2 mm height 14 mm.

- Weight: 6 g.

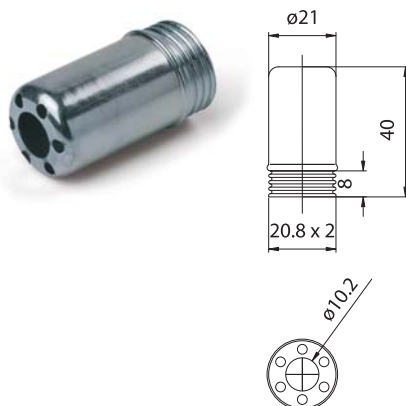
423/30B



423/30B: case, in white zinc-plated iron, external diameter 21 mm, height 40 mm, with partial round thread 20,8 x2 mm height 30 mm with ledge.

- Weight: 6 g.

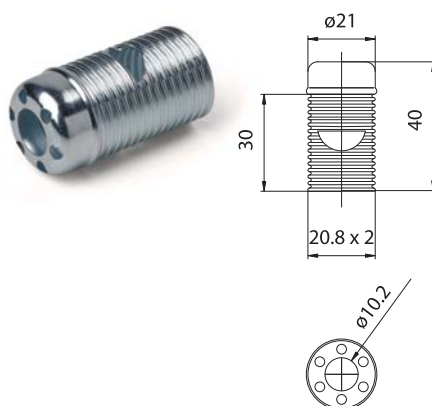
423/8B



423/8B: case, in white zinc-plated iron, external diameter 21 mm, height 40 mm, with partial round thread 20,8 x2 mm height 8 mm, with ledge.

- Weight: 6 g.

423/30BF



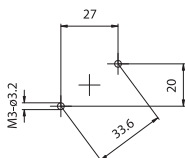
423/30BF: case, in white zinc-plated iron, external diameter 21 mm, height 40 mm, with partial round thread 20,8 x2 mm height 30 mm, with ledge and rift.

- Weight: 6 g.

LAMPHOLDERS FOR INCANDESCENT HALOGEN LAMPS

- Porcelain body.
Contacts in nickel-plated brass.
Nickel-plated brass clamps with screws not completely tightened.
- Weight of the lampholder: 75 g.

- Instructions to fix the lampholder on structures.



- Eventual fixing of the lampholder using holes diameter 3,4 mm.
center distance 33,6 mm.

FOR NET TENSION 110 - 250V

P35

CE

Lampholder:

Rated voltage:
Rated current:
Working temperature:
Type of clamps to
connect the cables:
Connecting capacity
of the clamps:
Overvoltage category:
Protection degree (IP):
In conformity to the standards:
In conformity to the requirements
of the directive:

Gx16d

250 V

10 A

T 250°C

SCREW CLAMPS

0,75 ÷ 2,5 mm²

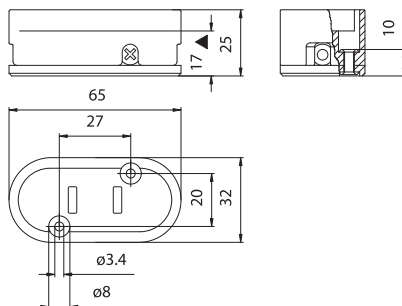
III

IP20

EN 60838-1

2014/35/EU

Approval marks:



▲ Reference plane



SECTION 2

LAMPHOLDERS Fc2:

Art. A35 *page 287*

LAMPHOLDERS GU6.5:

Art. A76 *page 243*

Art. A76C *page 245*

LAMPHOLDERS G8.5:

Art. A80 *page 251*

Art. A83 *page 255*

LAMPHOLDERS GU8.5:

Art. A84- *pages 259-261*

LAMPHOLDERS GX8.5:

Art. A85C- *page 265*

Art. A85 *page 267*

LAMPHOLDERS GX10:

Art. A42 *page 233*

Art. A42C- *page 235*

LAMPHOLDERS G12:

Art. A33 *page 229*

Art. A32 *page 227*

LAMPHOLDERS GX12-1:

Art. A33X *page 231*

LAMPHOLDERS G22:

Art. A37- *page 285*

LAMPHOLDERS PGJ5:

Art. A70P *page 237*

Art. A70 *page 239*

LAMPHOLDERS PG12-:

Art. A30 *page 223*

LAMPHOLDERS PGZ12:

Art. A91 *page 271*

ADAPTERS E26+PGZ12 and E39+PGZ12:

Art. M203/A91 (E26+PGZ12) *page 275*

Art. M204/A91 (E39+PGZ12) *page 274*

LAMPHOLDERS PGZ(X)18:

Art. A93 - A93X *page 277-279*

ADAPTERS E(X)39+PGZ(X)18:

Art. M204/A93 (E39+PGZ18) *page 283*

Art. M204/A93X (EX39+PGZ18) *page 282*

LAMPHOLDERS RX7s:

Art. A01H *page 205*

Art. A15 *page 215*

Art. A18 *page 219*

Art. A19 *page 221*

SUPPORTS FOR STADIUM LAMPS:

Art. A45A (K12s) *page 289*

Art. A45AL (K12s) *page 291*

Art. A45B-FR *page 293*

Art. A45B *page 295*

Art. A45C *page 297*



LAMPHOLDERS FOR DISCHARGE LAMPS



LAMPHOLDERS FOR DISCHARGE LAMPS

Attention: the back side of this lampholder has uncovered parts under tension. During the project verify that the surface and air distance, prescribed by lighting fixtures construction standards, will be respected. Verify also the protection against accidental contacts.

Note: the version A01P, lampholder equipped with protection device in LCP, grants the protection against electrical shocks caused by accidental contacts with the back side of the lampholder.

A01F, lampholder with micarta plate positioned between the contacts and the pressure spring. The insulation plate grants the protection against the electric shock with the standardized IEC 529 test-finger in the contact area lamp-lampholder, with inserted lamp. PATENTED

- Steatite body.
Contacts in electrolytic copper and silver.
Pressure spring in nickel-plated, hardened and normalized, steel.
Self-threading fixing screws M3.
- Weight of the lampholders pair in standard execution (with 25 cm of cables): 50 g.
- D: fixing distance of the lampholders pair on rigid structures:
 - 94,0 mm for lamps with RX7s cap, with "Z nom." lamp 114,2 mm (70W)
 - 111,8 mm for lamps with RX7s cap, with "Z nom." lamp 132,0 mm (150W)
- d: distance between contacts = D + 16,4 mm
- Indications to fix the lampholder on structures.



- Fixing of the lampholders pair by M3 self-threading screws inserted in the bodies. Standard screw M3 x 8 with cross head. Other lengths on request (minimum length for threaded supports: 6 mm).

A01H



Lampholder:	RX7s
Maximum power:	1500 W
Rated voltage:	250 V
Impulse voltage:	5 kV
Working temperature:	T 250°C
Connected cables working temperature:	T 105°÷ 250°C
In conformity to the standards:	UL 496 CSA 22.2 N.43
Approval marks:	cURus

Single-conductor flexible connecting cables, polarized black and white, crimped to the lampholder:

Insulation	T in °C	Conduct.	Available voltages and AWG	
			600V	18AWG
Silicone Single insulation	200	CuSn	•	•
Silicone+glass-braid Single insulation	200	CuSn	•	•
PTFE Single insulation	250	CuNi	•	•
PTFE+PFA Double insulation	250	CuNi	•	•



A01H

1984-1998

**Lampholder:**

Rated voltage:
Impulse voltage:
Rated current:
Working temperature:
Connected cables
working temperature:
Overvoltage category:
Protection degree (IP):
In conformity to the standards:
In conformity to the requirements
of the directive:

RX7s

500 V
5 kV
6 A
T 300°C

T 105° ± 250°C
III
IP00
CEI EN 60838-1

2006/95/EC

Approval marks:

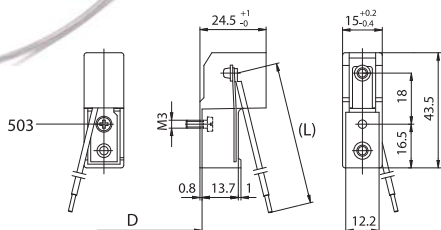
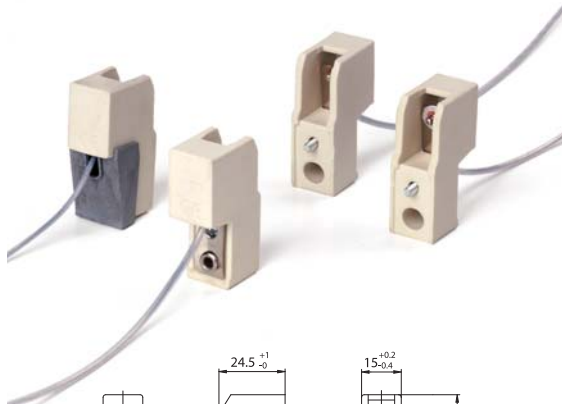
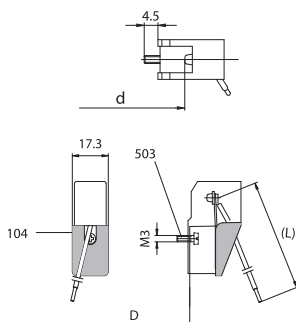
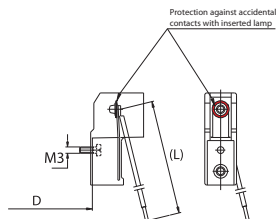
ENEC 03
CQC

A01HP: A01H lampholder equipped with protection device in LCP T250°C (T240°C for UL), which covers the back pressure springs.

A01HF: A01H lampholder with micarta plate positioned between the contacts and the pressure springs.

Single-conductor flexible connecting cables crimped to the lampholder:

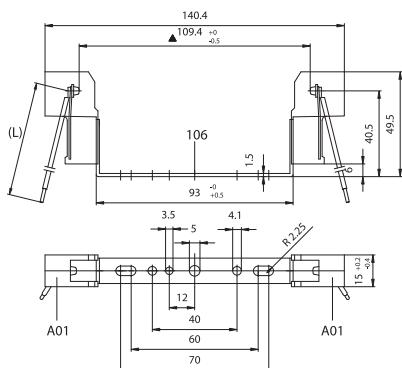
Insulation	T In °C	Conduct.	Available sections and tensions			
			Pulse kV	0,75 mm ²	1,00 mm ²	1,50 mm ²
Oversize silicone <i>Single insulation</i>	180	CuSn	10kV		•	
Oversize silicone <i>Single insulation</i>	180	CuSn	5kV	•	•	
Silicone+Silicone <i>Single insulation</i>	180	CuSn	5kV	•	•	
Oversize PTFE <i>Single insulation</i>	250	CuNi	5kV		•	
Oversize PTFE +PFA <i>Double insulation</i>	250	CuNi	5kV		•	

**A01H****A01HP****A01HF**

- 503 - Self-threading screw M3 x 8 (other lengths on request)



A03H

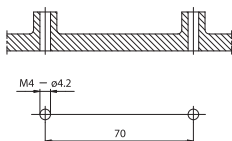


▲ Dimension without inserted lamp in the lampholder

A03H: A01H lampholders assembled with spacer bracket in zinc-plated iron for RX7s cap, with "Z nom." lamp 114,2 mm (70W) art. 106.

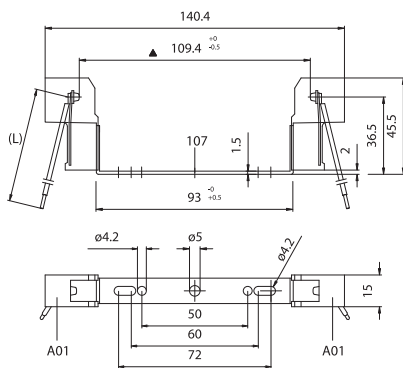
A03HP: version with lampholders equipped with protection in LCP which covers the pressure springs (see A01HP).

- Weight of the lampholder in standard execution: 65 g.
- Instructions to fix the lampholder on structures.



- Fixing of the lampholder by M4 screws to be inserted in the holes of the bracket, placed on two supports with a center distance of 70 mm.

A04H

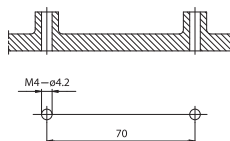


▲ Dimension without inserted lamp in the lampholder

A04H: A01H lampholders assembled with spacer bracket in zinc-plated iron for RX7s cap, with "Z nom." lamp 114,2 mm (70W) art. 107.

A04HP: version with lampholders equipped with protection in LCP which covers the pressure springs (see A01HP).

- Weight of the lampholder in standard execution: 65 g.
- Instructions to fix the lampholder on structures.

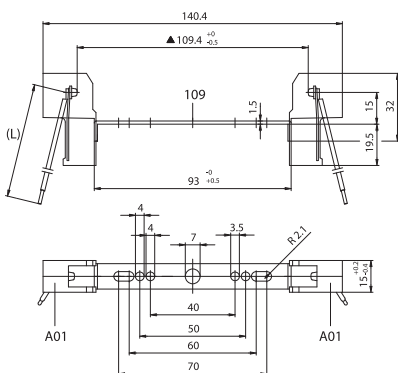


- Fixing of the lampholder by M4 screws to be inserted in the holes of the bracket, placed on two supports with a center distance of 70 mm.

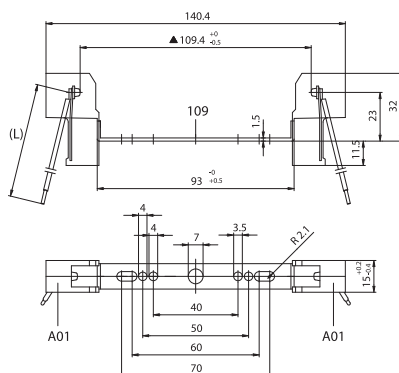
A06H



A06UH



▲ Dimension without inserted lamp in the lampholder



▲ Dimension without inserted lamp in the lampholder

A06H: A01H lampholders assembled with spacer bracket in zinc-plated iron for RX7s cap, with "Z nom." lamp 114,2 mm (70W) art. 109.

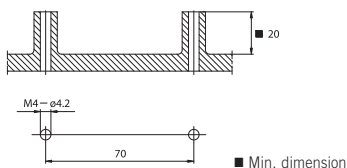
A06UH: A01H lampholders assembled with spacer bracket in zinc-plated iron for RX7s cap, with "Z nom." lamp 114,2 mm (70W) art. 109.

A06HP: version with lampholders equipped with protection in LCP which covers the pressure springs (see A01HP).

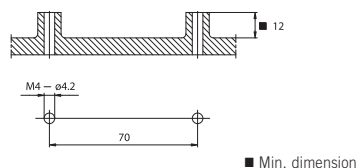
A06UHP: version with lampholders equipped with protection in LCP which covers the pressure springs (see A01HP).

- Weight of the lampholder in standard execution: 60 g.
- Instructions to fix the lampholder on structures.

- Weight of the lampholder in standard execution: 60 g.
- Instructions to fix the lampholder on structures.



■ Min. dimension



■ Min. dimension

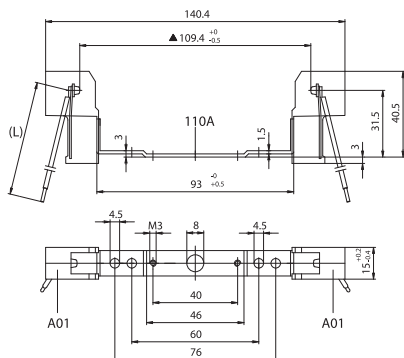
- Fixing of the lampholder by M4 screws to be inserted in the holes of the bracket, placed on two supports with a center distance of 70 mm.

- Fixing of the lampholder by M4 screws to be inserted in the holes of the bracket, placed on two supports with a center distance of 70 mm.

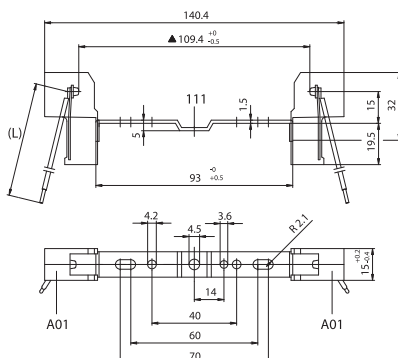
A07H



A08H



▲ Dimension without inserted lamp in the lampholder



▲ Dimension without inserted lamp in the lampholder

A07H: A01H lampholders assembled with spacer bracket in zinc-plated iron for RX7s cap, with "Z nom." lamp 114,2 mm (70W) art. 110A.

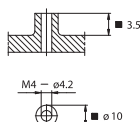
A08H: A01H lampholders assembled with spacer bracket in zinc-plated iron for RX7s cap, with "Z nom." lamp 114,2 mm (70W) art. 111.

A07HP: version with lampholders equipped with protection in LCP which covers the pressure springs (see A01HP).

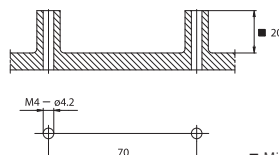
A08HP: version with lampholders equipped with protection in LCP which covers the pressure springs (see A01HP).

- Weight of the lampholder in standard execution: 65 g.
- Instructions to fix the lampholder on structures.

- Weight of the lampholder in standard execution: 60 g.
- Instructions to fix the lampholder on structures.



■ Min. dimension



■ Min. dimension

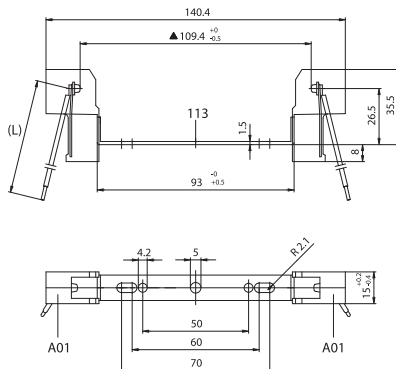
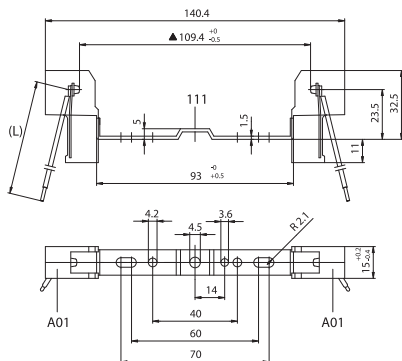
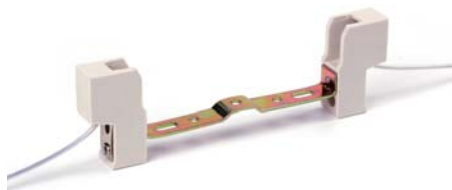
- Fixing of the lampholder by M4 screws (with head with minimum diameter 8 mm) to be inserted in the central hole of the bracket, placed on a support.

- Fixing of the lampholder by M4 screws to be inserted in the holes of the bracket, placed on two supports with a center distance of 70 mm.

A08UH



A09H



▲ Dimension without inserted lamp in the lampholder

▲ Dimension without inserted lamp in the lampholder

A08UH: A01H lampholders assembled with spacer bracket in zinc-plated iron for RX7s cap, with "Z nom." lamp 114,2 mm (70W) art. 111.

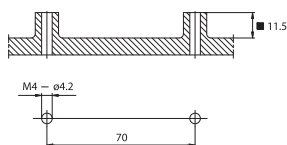
A09H: A01H lampholders assembled with spacer bracket in zinc-plated iron for RX7s cap, with "Z nom." lamp 114,2 mm (70W) art. 113.

A08UHP: version with lampholders equipped with protection in LCP which covers the pressure springs (see A01HP).

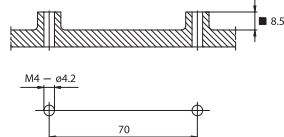
A09HP: version with lampholders equipped with protection in LCP which covers the pressure springs (see A01HP).

- Weight of the lampholder in standard execution: 60 g.
- Instructions to fix the lampholder on structures.

- Weight of the lampholder in standard execution: 60 g.
- Instructions to fix the lampholder on structures.



■ Min. dimension

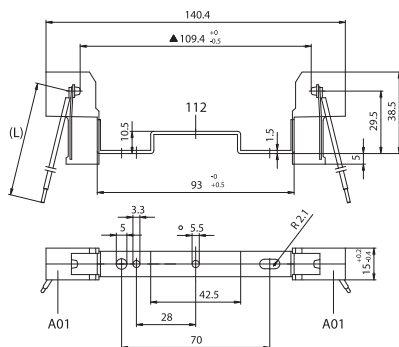


■ Min. dimension

- Fixing of the lampholder by M4 screws to be inserted in the holes of the bracket, placed on two supports with a center distance of 70 mm.

- Fixing of the lampholder by M4 screws to be inserted in the holes of the bracket, placed on two supports with a center distance of 70 mm.

AB8H



▲ Dimension without inserted lamp in the lampholder

AB8H: A01H lampholders assembled with spacer bracket in zinc-plated iron for RX7s cap, with "Z nom." lamp 114,2 mm (70W) with central hole diameter 5,5 mm art. 112.

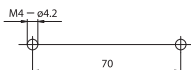
AB8HP: version with lampholders equipped with protection in LCP which covers the pressure springs (see A01HP).

AB8HA - AB8HAP: ● with central hole diameter 3,4 mm

AB8HB - AB8HBP: ● with central hole M4

AB8HC - AB8HCP: ● with central hole diameter 4,5 mm

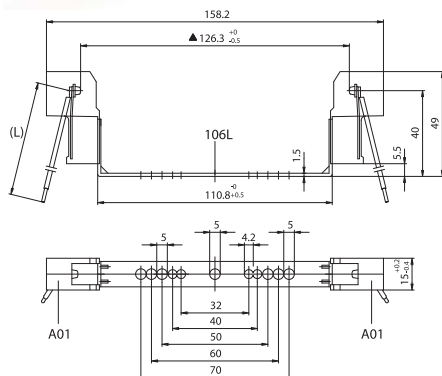
- Weight of the lampholder in standard execution: 65 g.
- Instructions to fix the lampholder on structures.



■ Min. dimension

- Fixing of the lampholder by M4 screw (with head min. diameter 8 mm) to be inserted in the central fixing hole of the bracket, placed on a support.

A03LH



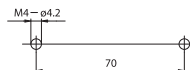
▲ Dimension without inserted lamp in the lampholder

A03LH: A01H lampholders assembled with spacer bracket in zinc-plated iron for RX7s cap, with "Z nom." lamp 132,0 mm (150W) art. 106L.

- Weight of the lampholder in standard execution: 75 g.

AO3LHP: version with lampholders equipped with protection in LCP which covers the pressure springs (see AO1HP).

- Instructions to fix the lampholder on structures.



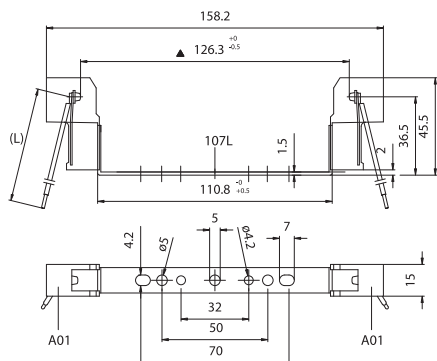
- Min. dimension

- Fixing of the lampholder by M4 screws to be inserted in the holes of the bracket, placed on two supports with a center distance of 70 mm.

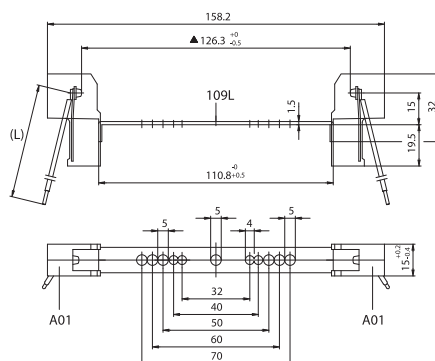
A04LH



A06LH



▲ Dimension without inserted lamp in the lampholder



▲ Dimension without inserted lamp in the lampholder

A04LH: A01H lampholders assembled with spacer bracket in zinc-plated iron for RX7s cap, with "Z nom." lamp 132,0 mm (150W) art. 107L.

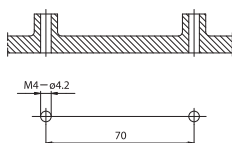
A06LH: A01H lampholders assembled with spacer bracket in zinc-plated iron for RX7s cap, with "Z nom." lamp 132,0 mm (150W) art. 109L.

A04LHP: version with lampholders equipped with protection in LCP which covers the pressure springs (see A01HP).

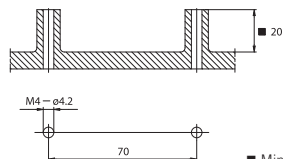
A06LHP: version with lampholders equipped with protection in LCP which covers the pressure springs (see A01HP).

- Weight of the lampholder in standard execution: 70 g.
- Instructions to fix the lampholder on structures.

- Weight of the lampholder in standard execution: 65 g.
- Instructions to fix the lampholder on structures.



- Fixing of the lampholder by M4 screws to be inserted in the holes of the bracket, placed on two supports with a center distance of 70 mm.



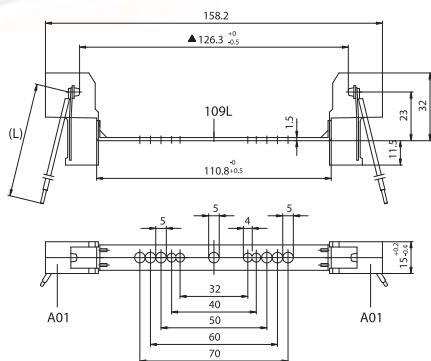
■ Min. dimension

- Fixing of the lampholder by M4 screws to be inserted in the holes of the bracket, placed on two supports with a center distance of 70 mm.

A06LUH



A09LH

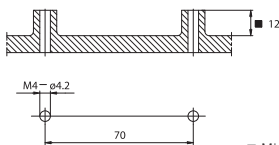


▲ Dimension without inserted lamp in the lampholder

A06LUH: A01H lampholders assembled with spacer bracket in zinc-plated iron for RX7s cap, with "Z nom." lamp 132,0 mm (150W) art. 109L.

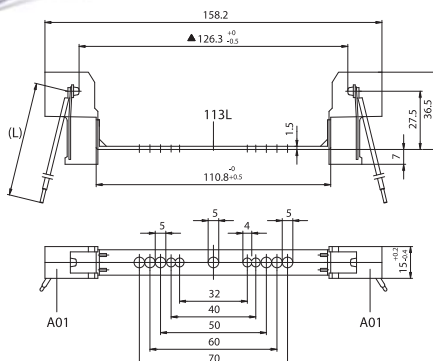
A06LUHP: version with lampholders equipped with protection in LCP which covers the pressure springs (see A01HP).

- Weight of the lampholder in standard execution: 65 g.
- Instructions to fix the lampholder on structures.



■ Min. dimension

- Fixing of the lampholder by M4 screws to be inserted in the holes of the bracket, placed on two supports with a center distance of 70 mm.

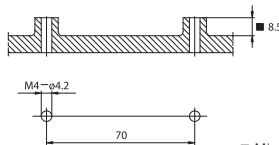


▲ Dimension without inserted lamp in the lampholder

A09LH: A01H lampholders assembled with spacer bracket in zinc-plated iron for RX7s cap, with "Z nom." lamp 132,0 mm (150W) art. 113L.

A09LHP: version with lampholders equipped with protection in LCP which covers the pressure springs (see A01HP).

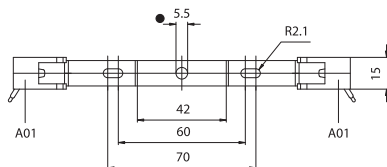
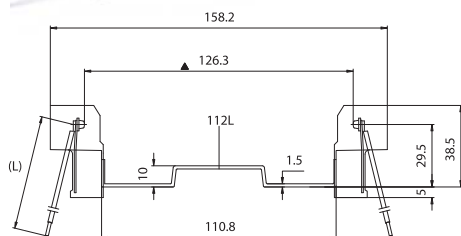
- Weight of the lampholder in standard execution: 65 g.
- Instructions to fix the lampholder on structures.



■ Min. dimension

- Fixing of the lampholder by M4 screws to be inserted in the holes of the bracket, placed on two supports with a center distance of 70 mm.

AB8LH



▲ Dimension without inserted lamp in the lampholder

AB8LH: A01H lampholders assembled with spacer bracket in zinc-plated iron for RX7s cap, with "Z nom." lamp 132,0 mm (150W) with central hole diameter 5,5 mm art. 112L.

AB8LHP: version with lampholders equipped with protection in LCP which covers the pressure springs (see A01HP).

AB8LHA - AB8LHAP: ● with central hole diameter 3,4 mm

AB8LHB - AB8LHBP: ● with central hole M4

AB8LHC - AB8LHCP: ● with central hole diameter 4,5 mm

● Weight of the lampholder in standard execution: 70 g.

● Instructions to fix the lampholder on structures.



● Fixing of the lampholder by M4 screw (with head min. diameter 8 mm) to be inserted in the central fixing hole of the bracket, placed on a support.

LAMP HOLDERS FOR DISCHARGE LAMPS

A15



Lampholder whose creepage and clearance distances allow the use in class II fixtures with pulse peak voltage up to 5kV, with working voltage up to 500V, and in applications foreseen for the overvoltage category III, if connected with double or triple insulated cables (ref. standard EN 60598.1).

- Porcelain body.
Nickel-plated brass envelope diameter 24 mm with thread M22 x1, length 6 mm.
Contacts in special nickel-plated alloy.
Pressure springs in normalized stainless steel.
Fixing nuts M22 x1, hexagonal 25, in nickel-plated brass.
- Weight of the lampholders pair in standard execution:
(with cables L = 25 cm): 80 g
- D: fixing distance of the lampholders pair on rigid structures:
 - 150,0 mm for lamps with RX7s cap, with "Z nom." lamp 114,2 mm (70W)
 - 167,8 mm for lamps with RX7s cap, with "Z nom." lamp 132,0 mm (150W)
- d: distance between the contacts = D - 39,5 mm
- Instructions to fix the lampholder on structures.



- Fixing of lampholders pair by thread M22 x1 on the lampholder external envelope. The standard supply includes the 25 mm hexagonal nuts in nickel-plated brass M22 x1.
The threaded part of the brass external envelope has a lateral milling, in order to avoid the wrong assembling of the lampholders pair.

Lampholder:	RX7s
Maximum power:	1500 W
Rated voltage:	250 V
Impulse voltage:	5 kV
Working temperature:	T 250°C
Connected cables	
working temperature:	T 105° ÷ 250°C
In conformity to the standards:	UL 496 CSA 22.2 N.43
Approval marks:	cURus

A15M: the lampholder, in the version cURus, may be supplied with a device that blocks the sliding of the lampholder body connected to the line (black colour polarized cable).

Single-conductor flexible connecting cables, polarized black and white, crimped to the lampholder:

Insulation	T in °C	Conduct.	Available voltages and AWG	
			600V	18AWG
Silicone Single insulation	200	CuSn	•	•
Silicone+glass-braid Single insulation	200	CuSn	•	•
PTFE Single insulation	250	CuNi	•	•
PTFE+PFA Double insulation	250	CuNi	•	•



A15

1984



Lampholder:

Rated voltage:
Impulse voltage:
Rated current:
Working temperature:
Connected cables
working temperature:
Overvoltage category:
Protection degree (IP):
In conformity to the standards:
In conformity to the requirements
of the directive:

RX7s
500 V
5 kV
6 A
T 250°C
T 105° ± 250°C
III
IP20
EN 60838-1
2006/95/EC

Approval marks:

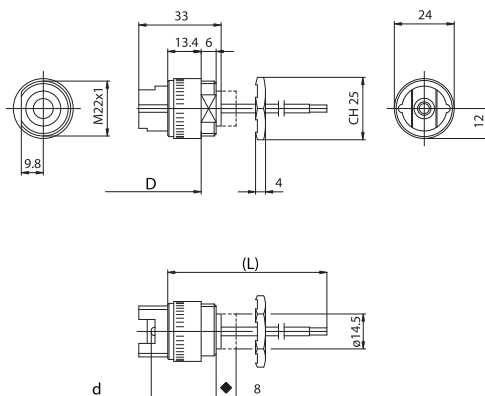
ENEC 03
CQC



Double insulation

Single-conductor, flexible connecting cables crimped to the lampholder:

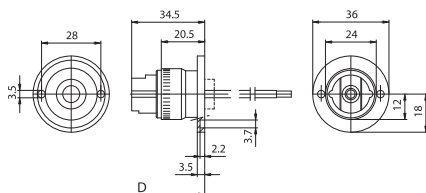
Insulation	T In °C	Conduct.	Available sections and tensions			
			Pulse kV	0,75 mm ²	1,00 mm ²	1,50 mm ²
Oversize silicone <i>Single insulation</i>	180	CuSn	10kV		•	
Oversize silicone <i>Single insulation</i>	180	CuSn	5kV	•	•	
Silicone+Silicone <i>Single insulation</i>	180	CuSn	5kV	•	•	
Oversize PTFE <i>Single insulation</i>	250	CuNi	5kV		•	
Oversize PTFE +PFA <i>Double insulation</i>	250	CuNi	5kV		•	



♦ Maximum jut of the porcelain body during lamp insertion



A15R

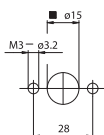


◆ Maximum jut of the porcelain body during lamp insertion

A15R: lampholder as A15 with envelope in nickel-plated brass with back round part, diameter 36 mm, with groove and fixing holes diameter 3,2 mm with center distance 28 mm.

A15RM: cURus version with device to block the body connected to the line (see A15M).

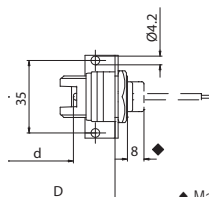
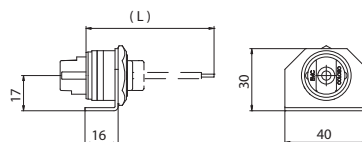
- D: fixing distance of the lampholders pair on rigid structures:
 - 169,0 mm for lamps with RX7s cap, with "Z nom." lamp 114,2 mm (70W)
 - 186,8 mm for lamps with RX7s cap, with "Z nom." lamp 132,0 mm (150W)
- d: distance between the contacts = D - 58,5 mm
- Weight of the lampholders pair in standard execution: 115 g.
- Instructions to fix the lampholder on structures.



■ Insertion hole of the porcelain body during lamp insertion

- Fixing of the lampholders pair by M3 screws, with maximum head diameter 6 mm, to be inserted in the fixing holes with center distance 28 mm.

A15C

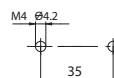


◆ Maximum jut of the porcelain body during lamp insertion

A15C: lampholder as A15 with zinc-plated fixing bracket, with holes diameter 4,1 mm with center distance 35 mm.

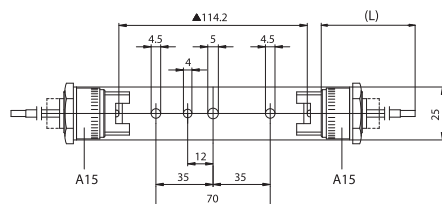
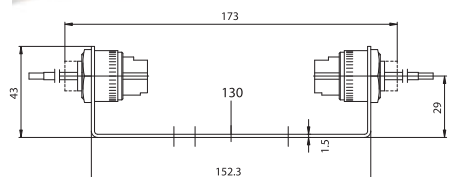
A15CM: cURus version with device to block the body connected to the line (see A15M).

- D: fixing distance of the lampholders pair on rigid structures:
 - 131,0 mm for lamps with RX7s cap, with "Z nom." lamp 114,2 mm (70W)
 - 149,0 mm for lamps with RX7s cap, with "Z nom." lamp 132,0 mm (150W)
- d: distance between the contacts = D - 20,5 mm
- Weight of the lampholders pair in standard execution: 120 g.
- Instructions to fix the lampholder on structures.



- Fixing of the lampholders pair by M4 screws, to be inserted in the fixing holes with center distance 35 mm.

A16

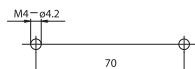


- ▲ Dimension without inserted lamp in the lampholder
- ◆ Maximum jut of the porcelain body during lamp insertion

A16: lampholder A15 with spacer bracket in zinc-plated iron for lamps with RX7s cap, with "Z nom." lamp 114,2 mm (70W) (the spacer bracket can be also supplied unassembled, ref. art. 130).

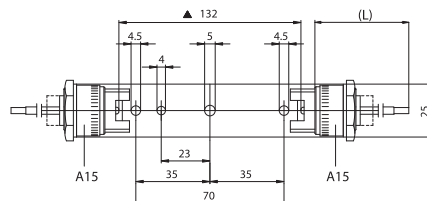
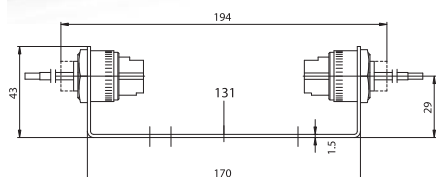
A16M: cURus version with device to block the body connected to the line (see A15M).

- Weight of the lampholder in standard execution: 140 g.
- Instructions to fix the lampholder on structures.



- Fixing of the lampholders pair by M4 screws to be inserted in the fixing holes of the bracket, placed on two supports with center distance 70 mm.

A17

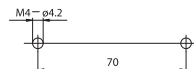


- ▲ Dimension without inserted lamp in the lampholder
- ◆ Maximum jut of the porcelain body during lamp insertion

A17: lampholder A15 with spacer bracket in zinc-plated iron for lamps with RX7s cap, with "Z nom." lamp 132,0 mm (150W) (the spacer bracket can be also supplied unassembled, ref. art. 131).

A17M: cURus version with device to block the body connected to the line (see A15M).

- Weight of the lampholder in standard execution: 150 g.
- Instructions to fix the lampholder on structures.

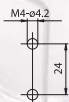


- Fixing of the lampholders pair by M4 screws to be inserted in the fixing holes of the bracket, placed on two supports with center distance 70 mm.

LAMPHOLDERS FOR DISCHARGE LAMPS

Note: the pair is composed by one lampholder with cable exit from the right side and the other with cable exit from the left side.

- Porcelain body.
Contacts in nickel-plated electrolytic copper.
Pressure springs in hardened and normalized steel.
- Weight of the lampholders pair in standard execution
(with cables L = 25 cm): 70 g.
- D: fixing distance of the lampholders pair on rigid structures:
 - 104,0 mm for lamps with RX7s cap, with "Z nom." lamp 114,2 mm (70W)
 - 121,8 mm for lamps with RX7s cap, with "Z nom." lamp 132,0 mm (150W)
- d: distance between the contacts = D + 6,6 mm
- Instructions to fix the lampholder on structures.



- Fixing of the lampholders pair by M4 screws to be inserted in the fixing holes with center distance 24 mm.

A18

1989

**Lampholder:**

Rated voltage:
Impulse voltage:
Rated current:
Working temperature:
Connected cables
working temperature:
Overvoltage category:
Protection degree (IP):
In conformity to the standards:
In conformity to the requirements
of the directive:

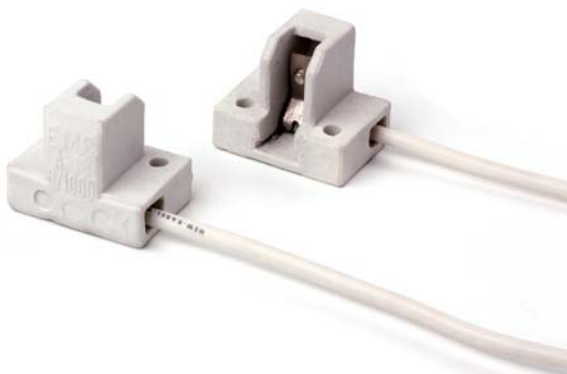
RX7s

500 V
5 kV
6 A
T 260°C

T 105° ± 250°C
III
IP20
EN 60838-1 *

2006/95/EC

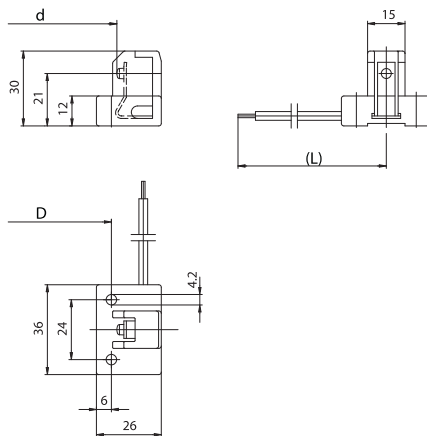
Approval marks:



Single-conductor, flexible connecting cables crimped to the lampholder:

Insulation	T In °C	Conduct.	Available sections and tensions			
			Pulse kV	0,75 mm ²	1,00 mm ²	1,50 mm ²
Oversize silicone Single insulation	180	CuSn	10kV		•	
Oversize silicone Single insulation	180	CuSn	5kV	•	•	
Silicone+Silicone Single insulation	180	CuSn	5kV	•	•	
Oversize PTFE Single insulation	250	CuNi	5kV		•	
Oversize PTFE +PFA Double insulation	250	CuNi	5kV		•	

★ The article complies with all the requirements of standard EN 60838-1 26 with exception to the prescription regarding the lamp insertion, which in the standard EN 60061-2, data sheet 7005-53-3, is required to be maximum 45N, while in this lampholder is 50N.



LAMPHOLDERS FOR DISCHARGE LAMPS

- Porcelain body.
Contacts in nickel-plated electrolytic copper.
Pressure springs in normalized stainless steel.
Closing cap for pressure springs in PPS.
- Weight of the lampholders pair in standard execution
(with cables L = 25 cm): 80 g.
- D: fixing distance of the lampholders pair on rigid structures:
D: - 101,4 mm, using holes with center distance 24 mm, for lamps with RX7s cap, with "Z nom." lamp 114,2 mm (70W)
- 119,4 mm, using holes with center distance 24 mm, for lamps with RX7s cap, with "Z nom." lamp 132,0 mm (150W)
D(A): - D + 31,0 mm, using holes with center distance 35 mm.
- d: distance between the contacts:
- 110,8 mm for lamps with RX7s cap, with "Z nom." lamp 114,2 mm (70W)
- 128,8 mm for lamps with RX7s cap, with "Z nom." lamp 132,0 mm (150W).
- Instructions to fix the lampholder on structures.



- Fixing of the lampholders pair by M4 screws to be inserted in the chosen fixing holes.

A19

1993

**Lampholder:**

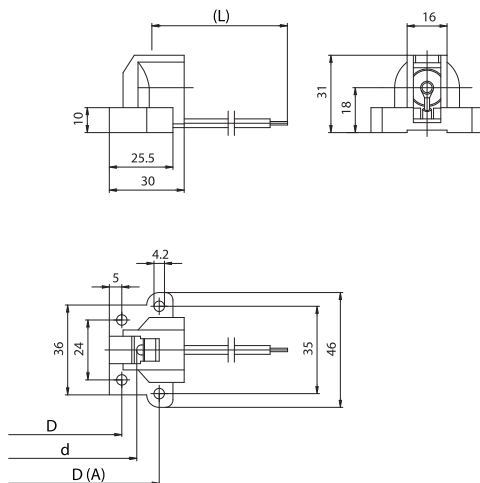
Rated voltage:
Impulse voltage:
Rated current:
Working temperature:
Connected cables
working temperature:
Overvoltage category:
Protection degree (IP):
In conformity to the standards:
In conformity to the requirements
of the directive:

Approval marks:

RX7s**500 V****5 kV****8 A****T 210°C****T 105°± 250°C****III****IP20****EN 60838-1****2006/95/EC****ENEC O3**

Single-conductor, flexible connecting cables crimped to the lampholder:

Insulation	T In °C	Conduct.	Available sections and tensions			
			Pulse kV	0,75 mm ²	1,00 mm ²	1,50 mm ²
Oversize silicone <i>Single insulation</i>	180	CuSn	10kV		•	
Oversize silicone <i>Single insulation</i>	180	CuSn	5kV	•	•	
Silicone+Silicone <i>Single insulation</i>	180	CuSn	5kV	•	•	
Oversize PTFE <i>Single insulation</i>	250	CuNi	5kV		•	
Oversize PTFE +PFA <i>Double insulation</i>	250	CuNi	5kV		•	



LAMPHOLDERS FOR DISCHARGE LAMPS

A30



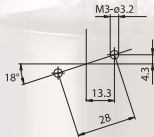
Lampholder:	PG12-1
Maximum power:	660 W
Rated voltage:	600 V
Impulse voltage:	5 kV
Working temperature:	T 200°C
Connected cables	
working temperature:	T 105°÷ 250°C
In conformity to the standards:	UL 496
	CSA 22.2 N.43
Approval marks:	cURus

- Black PPS body.
Contacts in nickel-plated phosphorous bronze.
Lamp retaining springs in stainless steel.
- Weight of the lampholder in standard execution
(with cables L = 25 cm): 25 g.

Single-conductor flexible connecting cables, polarized black and white, crimped to the lampholder:

Insulation	T in °C	Conduct.	Available voltages and AWG	
			600V	18AWG
Silicone <i>Single insulation</i>	200	CuSn	•	•
Silicone+glass-braid <i>Single insulation</i>	200	CuSn	•	•
PTFE <i>Single insulation</i>	250	CuNi	•	•
PTFE+PFA <i>Double insulation</i>	250	CuNi	•	•

- Instructions to fix the lampholder on structures.



- Fixing of the lampholders pair by M3 screws, maximum head diameter 5,6 mm, to be inserted in the fixing holes with center distance 28 mm.

Attention: in the end product the cables connected to this lampholder should not be accessible during the normal replacement operations of the lamp (if accessible a cord-grip device should be provided).



A30

1989



Lampholder:

PG12-1

Rated voltage:

500 V

Impulse voltage:

5 kV

Rated current:

2 A

Working temperature:

T 210°C

Connected cables

working temperature:

T 105°÷ 250°C

Overvoltage category:

III

Protection degree (IP):

IP20

In conformity to the standards:

EN 60838-1

In conformity to the requirements
of the directive:

2006/95/EC

Approval marks:

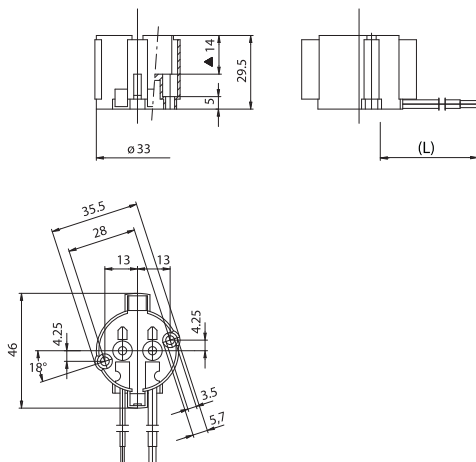
ENEC 03



Single-conductor, flexible connecting cables crimped
to the lampholder:

Insulation	T In °C	Conduct.	Available sections and tensions			
			Pulse kV	0,75 mm ²	1,00 mm ²	1,50 mm ²
Oversize silicone <i>Single insulation</i>	180	CuSn	10kV		•	
Oversize silicone <i>Single insulation</i>	180	CuSn	5kV	•	•	
Silicone+Silicone <i>Single insulation</i>	180	CuSn	5kV	•	•	
Oversize PTFE <i>Single insulation</i>	250	CuNi	5kV		•	
Oversize PTFE +PFA <i>Double insulation</i>	250	CuNi	5kV		•	

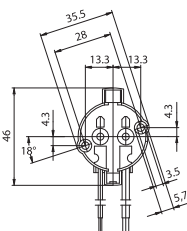
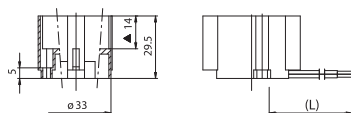
On customer's request, the cable not subjected to the lamp starter voltage,
can be supplied with basic insulation.



▲ Reference plane



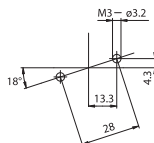
A30B



▲ Reference plane

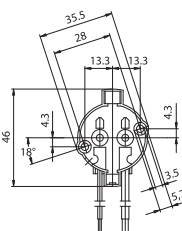
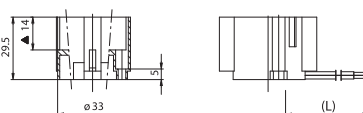
A30B: lampholder as A30 with PG12-2 cap.

- Weight of the lampholder in standard execution: 25 g.
- Instructions to fix the lampholder on structures.



- Fixing of the lampholders pair by M3 screws, maximum head diameter 5,6 mm, to be inserted in the fixing holes with center distance 28 mm.

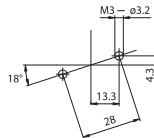
A30C



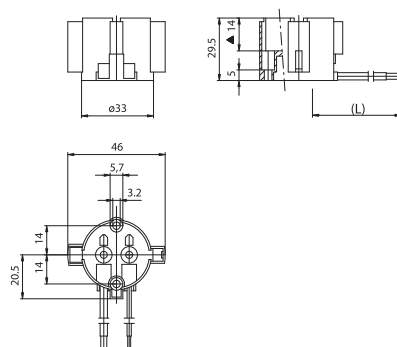
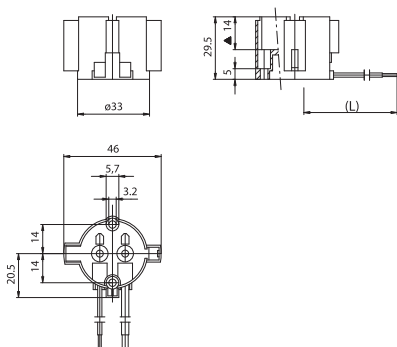
▲ Reference plane

A30C: lampholder as A30 with PG12-3 cap.

- Weight of the lampholder in standard execution: 25 g.
- Instructions to fix the lampholder on structures.



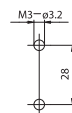
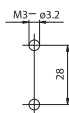
- Fixing of the lampholders pair by M3 screws, maximum head diameter 5,6 mm, to be inserted in the fixing holes with center distance 28 mm.



▲ Reference plane

A30E: lampholder as A30 with PGX12-2 cap.

- Weight of the lampholder in standard execution: 25 g.
- Instructions to fix the lampholder on structures.



- Fixing of the lampholders pair by M3 screws, maximum head diameter 5,6 mm, to be inserted in the fixing holes with center distance 28 mm.

LAMP HOLDERS FOR DISCHARGE LAMPS

A32



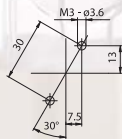
Lampholder:	G12
Maximum power:	660 W
Rated voltage:	600 V
Impulse voltage:	5 kV
Working temperature:	T 200°C
Connected cables working temperature:	T 105°÷ 250°C
In conformity to the standards:	UL 496 CSA 22.2 N.43
Approval marks:	cURus

- Black PPS body.
Contacts in nickel-plated phosphorous bronze.
Lamp retaining springs in stainless steel.
- Weight of the lampholder in standard execution (with cables L = 25 cm): 25 g.

Single-conductor, flexible connecting cables crimped to the lampholder:

Insulation	T in °C	Conduct.	Available voltages and AWG	
			600V	18AWG
Silicone <i>Single insulation</i>	200	CuSn	•	•
Silicone+glass-braid <i>Single insulation</i>	200	CuSn	•	•
PTFE <i>Single insulation</i>	250	CuNi	•	•
PTFE+PFA <i>Double insulation</i>	250	CuNi	•	•

- Instructions to fix the lampholder on structures.



- Fixing of the lampholders pair by M3 screws, maximum head diameter 7 mm, to be inserted in the fixing holes with center distance 30 mm.

Attention: in the end product the cables connected to this lampholder should not be accessible during the normal replacement operations of the lamp (if accessible a cord-grip device should be provided).



A32

1989

**Lampholder:****G12**

Rated voltage:

500 V

Impulse voltage:

5 kV

Rated current:

2 A

Working temperature:

T 210°C

Connected cables

working temperature:

T 105°± 250°C

Overvoltage category:

III

Protection degree (IP):

IP20

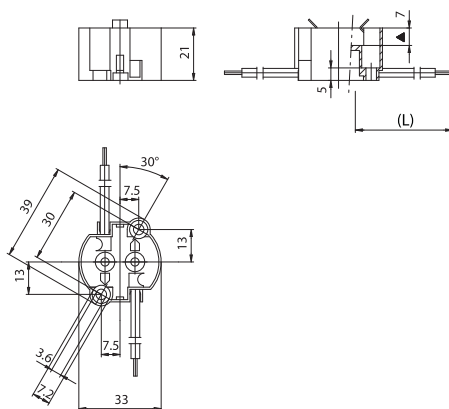
In conformity to the standards:

EN 60838-1In conformity to the requirements
of the directive:**2006/95/EC**

Approval marks:

ENEC 03Single-conductor, flexible connecting cables crimped
to the lampholder:

Insulation	T In °C	Conduct.	Available sections and tensions			
			Pulse kV	0,75 mm ²	1,00 mm ²	1,50 mm ²
Oversize silicone <i>Single insulation</i>	180	CuSn	10kV		•	
Oversize silicone <i>Single insulation</i>	180	CuSn	5kV	•	•	
Silicone+Silicone <i>Single insulation</i>	180	CuSn	5kV	•	•	
Oversize PTFE <i>Single insulation</i>	250	CuNi	5kV		•	
Oversize PTFE +PFA <i>Double insulation</i>	250	CuNi	5kV		•	

On customer's request, the cable not subjected to the lamp starter voltage,
can be supplied with basic insulation.

▲ Reference plane



LAMPHOLDERS FOR DISCHARGE LAMPS

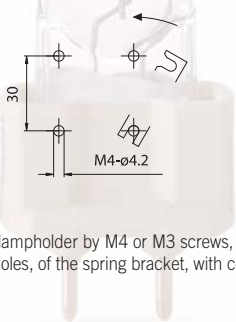
Lampholder whose creepage and clearance distances allow the use in class II fixtures with pulse peak voltage up to 5kV, - or with working voltage up to 500V in applications foreseen for the overvoltage category II, - or with working voltage up to 300V in applications foreseen for the overvoltage category III, if connected with double or triple insulated cables (ref. standard EN 60598.1).

Solid fixing structure, in steel, independent from the ceramic body (this solves the problem of the easy breaking, during the fixing process, of the existing lampholders). Furthermore, it allows a quick fixing by a bayonet system.

NOTE: normally, the lampholder should be fixed on plain fixing structure or on support with minimum diameter 10 mm.

- Steatite body.
Contacts in special alloy.
Steel strengthening springs for the contacts.
Lamp retaining spring in stainless steel.
- Weight of the lampholder in standard execution (with cables L=25 cm): 50 g

- Instructions to fix the lampholder on structures.



- Fixing of the lampholder by M4 or M3 screws, to be inserted in the fixing holes, of the spring bracket, with center distance 30 mm.

A33



PATENTED

Lampholder:

Maximum power:
Rated voltage:
Impulse voltage:
Working temperature:
Connected cables working temperature:
In conformity to the standards:

G12

660 W
600 V
5 kV
T 250°C

T 105°÷ 250°C
UL 496
CSA 22.2 N.43

Approval marks:

cURus

Single-conductor, flexible connecting cables crimped to the lampholder:

Insulation	T in °C	Conduct.	Available voltages and AWG	
			600V	18AWG
Silicone Single insulation	200	CuSn	•	•
Silicone+glass-braid Single insulation	200	CuSn	•	•
PTFE Single insulation	250	CuNi	•	•
PTFE+PFA Double insulation	250	CuNi	•	•



CE

ENEC 03
CQC

E - 229

LAMPHOLDERS FOR DISCHARGE LAMPS

Lampholder whose creepage and clearance distances allow the use in class II fixtures with pulse peak voltage up to 5kV,
- or with working voltage up to 500V in applications foreseen for the overvoltage category II,
- or with working voltage up to 300V in applications foreseen for the overvoltage category III,
if connected with double or triple insulated cables (ref. standard EN 60598.1).

Solid fixing structure, in steel, independent from the ceramic body (this solves the problem of the easy breaking, during the fixing process, of the existing lampholders).
Furthermore, it allows a quick fixing by a bayonet system.

NOTE: normally, the lampholder should be fixed on plain fixing structure or on support with minimum diameter 10 mm.

- Steatite body.
Contacts in special alloy.
Steel strengthening springs for the contacts.
Lamp retaining spring in stainless steel.
- Weight of the lampholder in standard execution (with cables L=25 cm): 50 g

- Instructions to fix the lampholder on structures.



- Fixing of the lampholder by M4 or M3 screws, to be inserted in the fixing holes, of the spring bracket, with center distance 30 mm.

A33X



PATENTED

Lampholder:	GX12-1
Maximum power:	660 W
Rated voltage:	600 V
Impulse voltage:	5 kV
Working temperature:	T 250°C
Connected cables working temperature:	T 105°÷ 250°C
In conformity to the standards:	UL 496 CSA 22.2 N.43
Approval marks:	cURus

Single-conductor, flexible connecting cables crimped to the lampholder:

Insulation	T in °C	Conduct.	Available voltages and AWG	
			600V	18AWG
Silicone Single insulation	200	CuSn	•	•
Silicone+glass-braid Single insulation	200	CuSn	•	•
PTFE Single insulation	250	CuNi	•	•
PTFE+PFA Double insulation	250	CuNi	•	•



A33X

2002



PATENTED

Lampholder:

GX12-1

Rated voltage:

500 V

Impulse voltage:

5 kV

Rated current:

4 A

Working temperature:

T 300°C

Overvoltage category:

III

Connected cables

working temperature:

T 150°÷ 250°C

In conformity to the standards:

EN 60838-1

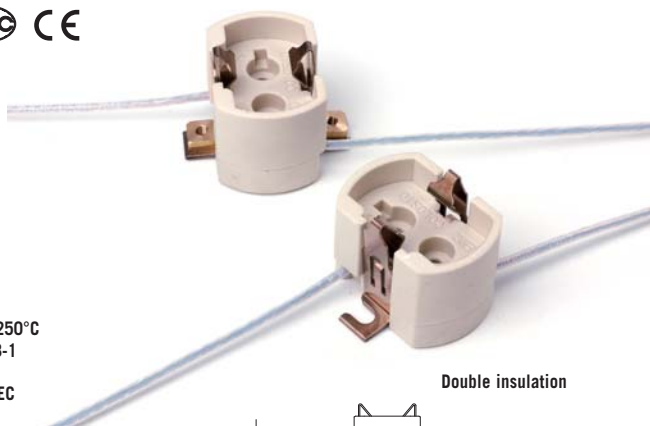
In conformity to the requirements of the directive:

2006/95/EC

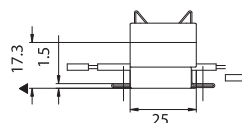
Approval marks:

ENEC 03

CQC



Double insulation



A33X: lampholder A33X with fixing bracket with two slotted holes.

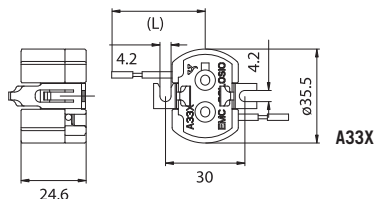
A33XU: lampholder as A33X with fixing bracket with hole and slotted hole.

A33XF: lampholder as A33X with threaded brass bushes M3 inserted in the fixing holes with center distance 30 mm.

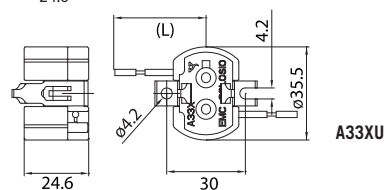
Single-conductor, flexible connecting cables crimped to the lampholder:

Insulation	T in °C	Conduct.	Available sections and tensions			
			Pulse kV	0,75 mm²	1,00 mm²	1,50 mm²
Silicone+Silicone <i>Single insulation</i>	180	CuSn	5kV	•	•	
Oversize silicone <i>Single insulation</i>	180	CuSn	5kV	•	•	
Oversize PTFE <i>Single insulation</i>	250	CuNi	5kV		•	
Oversize PTFE +PFA <i>Double insulation</i>	250	CuNi	5kV		•	

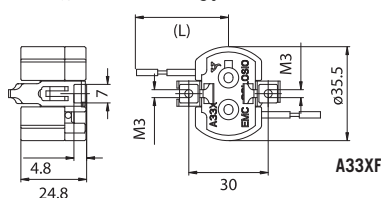
On customer's request, the cable not subjected to the lamp starter voltage, can be supplied with basic insulation.



A33X



A33XU



A33XF

▲ Reference plane



LAMPHOLDERS FOR DISCHARGE LAMPS

Lampholder whose creepage and clearance distances allow the use in class II fixtures with pulse peak voltage up to 4,5kV,
- or with working voltage up to 500V in applications foreseen for the overvoltage category II,
- or with working voltage up to 250V in applications foreseen for the overvoltage category III,
if connected with double or triple insulated cables (ref. standard EN 60598.1).

NOTE: back cable-clamp cover to be assembled after having inserted the cables in double insulation, which can exit from the back side or lateral side of the lampholder (ref. standard EN 60598.1 par. 5.2.10.3 "pull test 60 N" and "torsion test 0,15 Nm").

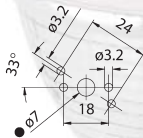
In some applications, it is necessary to guarantee the fastening of the cable-clamps cover by two 3 x 9,5 thread-forming screws for plastic, to be inserted in the holes with center distance 24 mm (ref. art. 652).

Attention: consider 2 cm of cables loss in lampholder with cables exit from the backside; consider 3 cm of cables loss in lampholder with cables exit from the lateral side.

Note: on request, it is also possible to supply the lampholder with already inserted cables (ref. A42 with back side exit, ref. A42L with lateral side exit).

- Steatite body.
External envelope in black LCP (grey on request).
Contacts in special silver-plated alloy.
Push-in clamps built in the contacts.
Cables exit from the back side or lateral side.
Built in cable-clamp device.

- **Glow wire 960° C**
- Weight: 23 g
- Instructions to fix the lampholder on structures.



● Suggested minimum dimension for cables passage (if necessary)

- Fixing of the lampholder:
 - by two M3 screws, with maximum head diameter 5,0 mm, 16 mm length + thickness of the material, to be inserted in the holes with center distance 18 mm (available screws M3 x20 art. 651).
 - by two thread-forming screws for plastic diameter 3 mm, 10 mm length + thickness of the material, to be inserted in the holes with center distance 24 mm. positioned in the back side of the lampholder (available thread-forming screws for plastic 3 x12 mm, ref. art. 526).

A42



Lampholder:	GX10
Rated voltage:	500 V
Rated current:	2 A
Impulse voltage:	5 kV
Working temperature:	T 240°C
Type of clamps to connect the cables:	SPRING CLAMPS (push-in insertion)
Clamps connecting capacity:	18 AWG
In conformity to the standards:	UL 496 CSA 22.2 N.43
Approval marks:	cURus

Single-conductor flexible connecting cables which could be connected to the lampholder (arranged with crimped end-terminals):

Insulation	T in °C	Conduct.	Available voltages and AWG	
			600V	18AWG
Silicone Single insulation	200	CuSn	•	•
Silicone+glass-braid Single insulation	200	CuSn	•	•
PTFE Single insulation	250	CuNi	•	•
PTFE+PFA Double insulation	250	CuNi	•	•



A42

2004

**Lampholder:**

Rated voltage:
Impulse voltage:
Rated current:
Working temperature:
Type of clamps to
connect the cables:

Clamps connecting
capacity:
Overvoltage category:
Protection degree (IP):
In conformity to the standards:
In conformity to the requirements
of the directive:

Approval marks:

GX10

500 V
5 kV
2 A
T 260°C

SPRING CLAMPS
(push-in insertion)

0,75 - 1,00 mm
III
IP20
EN 60838-1

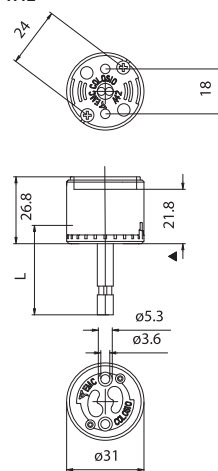
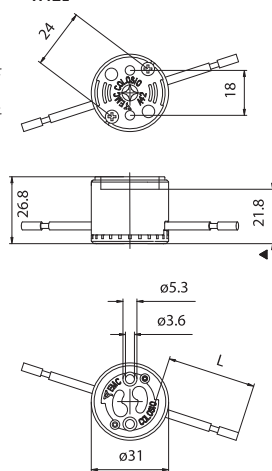
2006/95/EC

ENEC 03
CQC

**Double insulation**

Single-conductor flexible connecting cables which could be
connected to the lampholder (arranged with crimped end-terminals):

Insulation	T in °C	Conduct.	Available sections and tensions			
			Pulse kV	0,75 mm ²	1,00 mm ²	1,50 mm ²
Silicone+Silicone <i>Single insulation</i>	180	CuSn	5kV	•	•	
Oversize silicone <i>Single insulation</i>	180	CuSn	5kV	•	•	
Oversize PTFE <i>Single insulation</i>	250	CuNi	5kV		•	
Oversize PTFE+PFA <i>Double insulation</i>	250	CuNi	5kV		•	

A42**A42L**

▲ Reference plane



LAMPHOLDERS FOR DISCHARGE LAMPS

Lampholder whose creepage and clearance distances allow the use in class II fixtures with pulse peak voltage up to 4,5kV,
- or with working voltage up to 500V in applications foreseen for the overvoltage category II,
- or with working voltage up to 250V in applications foreseen for the overvoltage category III,
if connected with double or triple insulated cables (ref. standard EN 60598.1).

NOTE 1: back cable-clamp cover to be assembled after having inserted the cables in double insulation, which can exit from the back side or lateral side of the lampholder (ref. standard EN 60598.1 par. 5.2.10.3 "pull test 60 N" and "torsion test 0,15 Nm").

NOTE 2: lampholder suitable for the external in lighting fixtures according to the paragraph 4.13.1 "mechanical resistance" of standard EN 60598.1.

In some applications, it is necessary to guarantee the fastening of the cable-clamps cover by two 3 x 9,5 thread-forming screws for plastic, to be inserted in the holes with center distance 24 mm (ref. art. 652).

Attention: consider 2 cm of cables loss in lampholder with cables exit from the back side; consider 3 cm of cables loss in lampholder with cables exit from the lateral side.

Note: on request, it is also possible to supply the lampholder with already inserted cables (ref. A42C- with back side exit, ref. A42LC- with lateral side exit).

- Steatite body.
External envelope in black LCP (grey on request).
Contacts in special silver-plated alloy.
Push-in clamps built in the contacts.
Cables exit from the back side or lateral side.
Built in cable-clamp device.
Aesthetical cover in raw or sand-blasted and anodized aluminium.

- Glow wire 960° C

- Weight: 38 g.

- Fixing of the lampholder:
 - by two M3 screws, with maximum head diameter 5,0 mm, 16 mm length + thickness of the material, to be inserted in the holes with center distance 18 mm (available screws M3 x20 art. 651).
 - by two thread-forming screws for plastic diameter 3 mm, 10 mm length + thickness of the material, to be inserted in the holes with center distance 24 mm. positioned in the back side of the lampholder (available thread-forming screws for plastic 3 x12 mm, ref. art. 526).



A42C-



Lampholder:	GX10
Rated voltage:	500 V
Rated current:	2 A
Impulse voltage:	5 kV
Working temperature:	T 240°C
Type of clamps to connect the cables:	SPRING CLAMPS (push-in insertion)
Clamps connecting capacity:	18 AWG
In conformity to the standards:	UL 496 CSA 22.2 N.43
Approval marks:	cURus

Single-conductor flexible connecting cables which could be connected to the lampholder (arranged with crimped end-terminals):

Insulation	T in °C	Conduct.	Available voltages and AWG	
			600V	18AWG
Silicone Single insulation	200	CuSn	•	•
Silicone+glass-braid Single insulation	200	CuSn	•	•
PTFE Single insulation	250	CuNi	•	•
PTFE+PFA Double insulation	250	CuNi	•	•

A42C-

2004

**Lampholder:**

Rated voltage:
Impulse voltage:
Rated current:
Working temperature:
Type of clamps to
connect the cables:

GX10

500 V
5 kV
2 A
T 260°C

Clamps connecting
capacity:
Overvoltage category:
Protection degree (IP):
In conformity to the standards:
In conformity to the requirements
of the directive:

SPRING CLAMPS
(push-in insertion)

0,75 - 1,00 mm
III
IP20
EN 60838-1

2006/95/EC

Approval marks:

ENEC 03
CQC



A42CB: version of the lampholder A42 with back central exit of the cables and aesthetical cover in sand-blasted and anodized aluminium (for the cover ref. art. 496/42B).

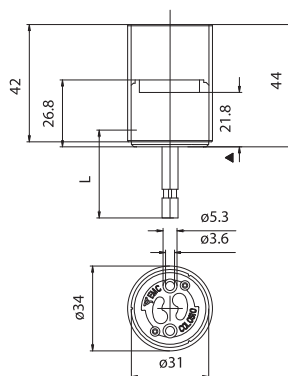
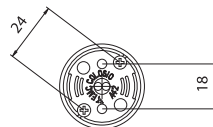
A42LCB: version of the lampholder A42 with lateral exit of the cables and aesthetical cover in sand-blasted and anodized aluminium (for the cover ref. art. 496L/42B).

A42CG: version of the lampholder A42 with back central exit of the cables and aesthetical cover in raw aluminium (for the cover ref. art. 496/42G).

A42LCG: version of the lampholder A42 with lateral exit of the cables and aesthetical cover in raw aluminium (for the cover ref. art. 496L/42G).

Single-conductor flexible connecting cables which could be connected to the lampholder (arranged with crimped end-terminals):

Insulation	T in °C	Conduct.	Available sections and tensions			
			Pulse kV	0,75 mm²	1,00 mm²	1,50 mm²
Silicone+Silicone <i>Single insulation</i>	180	CuSn	5kV	•	•	
Oversize silicone <i>Single insulation</i>	180	CuSn	5kV	•	•	
Oversize PTFE <i>Single insulation</i>	250	CuNi	5kV		•	
Oversize PTFE+PFA <i>Double insulation</i>	250	CuNi	5kV		•	

Double insulation

▲ Reference plane



LAMPHOLDERS FOR DISCHARGE LAMPS

A70P



Lampholder whose creepage and clearance distances allow the use in class II fixtures with pulse peak voltage up to 2,5kV,
- or with working voltage up to 300V in applications foreseen for the overvoltage category II,
- or with working voltage up to 250V in applications foreseen for the overvoltage category III,
if connected with double or triple insulated cables (ref. standard EN 60598.1).

Solid fixing steel structure, independent from the body, which allows to carry out quick and safe fixing of the lampholder. This solves the problem of the easy breaking, during the fixing process, of the existing lampholders.

- Black LCP body.
External envelope in black LCP.
Contacts in special silver-plated alloy.

• Glow wire 960° C

- Weight of the lampholder in standard execution (with cables L = 25 cm): 11 g.

- Instructions to fix the lampholder on structures: snap-in fixing on the support bracket inserted in the accessories presented in the following pages.



PATENTED

Lampholder:

Rated voltage:
Rated current:
Impulse voltage:
Working temperature:
Connected cables working temperature:
In conformity to the standards:

PGJ5

500 V
2 A
2,5 kV
T 240°C

T 105°÷ 250°C
UL 496
CSA 22.2 N.43

Approval marks:

cURus

- Note: recommended maximum power 20W.

Single-conductor, flexible cables connected to the lampholder:

Insulation	T in °C	Conduct.	Available voltages and AWG		
			300V	600V	18AWG
Silicone Single insulation	200	CuSn		•	•
PTFE Single insulation	250	CuNi		•	•
PTFE+PFA Double insulation	250	CuNi		•	•

Attention: in the end product the cables connected to this lampholder should not be accessible during the normal replacement operations of the lamp (if accessible a cord-grip device should be provided).



A70P

2004

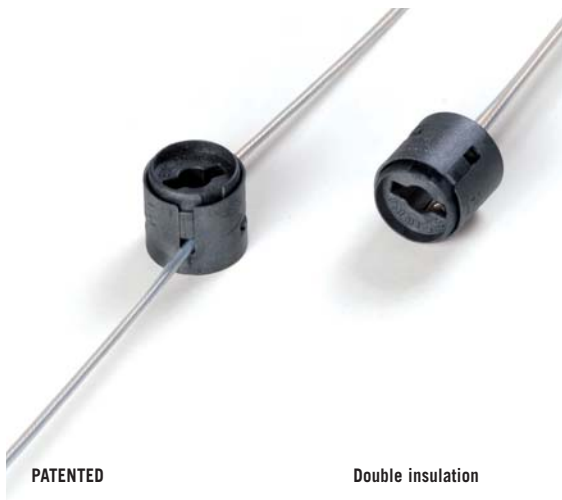


PATENTED

Lampholder:

Rated voltage:
Impulse voltage:
Rated current:
Working temperature:
Connected cables
working temperature:
Overvoltage category:
Protection degree (IP):
In conformity to the standards:
In conformity to the requirements
of the directive:
Approval marks:

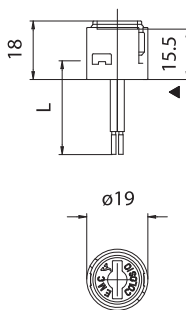
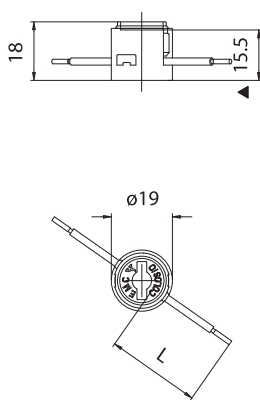
PGJ5
500 V
2,5 kV
2 A
T 260°C
T 105° ± 250°C
III
IP20
EN 60838-1
2006/95/EC
ENEC 03
CQC

**PATENTED****Double insulation**

• **Note:** recommended maximum power 20W.

Single-conductor, flexible connecting cables crimped to the lampholder:

Insulation	T In °C	Conduct.	Available sections and tensions			
			0,50 mm²	0,75 mm²	1,00 mm²	1,50 mm²
Silicone <i>Single insulation</i>	180	CuSn	•	•		
Silicone+glass-braid <i>Single insulation</i>	180	CuSn	•	•		
PTFE <i>Single insulation</i>	180	CuSn	•	•	•	
PTFE <i>Single insulation</i>	250	CuNi	•	•	•	
PTFE+PTFE <i>Double insulation</i>	250	CuNi	•	•	•	
PTFE+PFA <i>Double insulation</i>	250	CuNi		•	•	
PTFE+PFA+PFA <i>Tripla isolamento</i>	250	CuNi		•		

A70P**A70PL**

▲ Reference plane



LAMPHOLDERS FOR DISCHARGE LAMPS

A70



Lampholder whose creepage and clearance distances allow the use in class II fixtures with pulse peak voltage up to 2,5kV,
- or with working voltage up to 300V in applications foreseen for the overvoltage category II,
- or with working voltage up to 250V in applications foreseen for the overvoltage category III,
if connected with double or triple insulated cables (ref. standard EN 60598.1).

Solid fixing steel structure, independent from the body, which allows to carry out quick and safe fixing of the lampholder. This solves the problem of the easy breaking, during the fixing process, of the existing lampholders.

- Steatite body (not produced in Europe).
External envelope in black LCP.
Contacts in special silver-plated alloy.
- Glow wire 960° C
- Weight of the lampholder in standard execution (with cables L = 25 cm): 11 g.

- Instructions to fix the lampholder on structures: snap-in fixing on the support bracket inserted in the accessories presented in the following pages.



PATENTED

Lampholder:	PGJ5
Rated voltage:	500 V
Rated current:	2 A
Impulse voltage:	2,5 kV
Working temperature:	T 240°C
Connected cables working temperature:	T 105°÷ 250°C
In conformity to the standards:	UL 496 CSA 22.2 N.43
Approval marks:	cURus

Single-conductor, flexible cables connected to the lampholder:

Insulation	T in °C	Conduct.	Available voltages and AWG		
			300V	600V	18AWG
Silicone Single insulation	200	CuSn		•	•
PTFE Single insulation	250	CuNi		•	•
PTFE+PFA Double insulation	250	CuNi		•	•

Attention: in the end product the cables connected to this lampholder should not be accessible during the normal replacement operations of the lamp (if accessible a cord-grip device should be provided).



A70

2004



PATENTED

Lampholder:

Rated voltage:
Impulse voltage:
Rated current:
Working temperature:
Connected cables
working temperature:
Overvoltage category:
Protection degree (IP):
In conformity to the standards:
In conformity to the requirements
of the directive:
Approval marks:

PGJ5
500 V
2,5 kV
2 A
T 260°C
T 105°± 250°C
III
IP20
EN 60838-1
2006/95/EC
ENEC 03
CQC



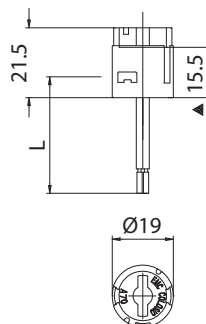
PATENTED

Double insulation

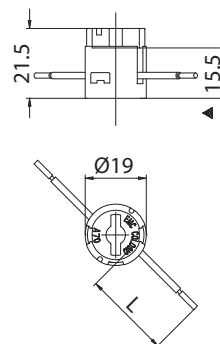
Single-conductor, flexible connecting cables crimped to the lampholder:

Insulation	T in °C	Conduct.	Available sections and tensions			
			0,50 mm ²	0,75 mm ²	1,00 mm ²	1,50 mm ²
Silicone <i>Single insulation</i>	180	CuSn	•	•		
Silicone+glass-braid <i>Single insulation</i>	180	CuSn	•	•		
PTFE <i>Single insulation</i>	180	CuSn	•	•	•	
PTFE <i>Single insulation</i>	250	CuNi	•	•	•	
PTFE+PTFE <i>Double insulation</i>	250	CuNi	•	•	•	
PTFE+PFA <i>Double insulation</i>	250	CuNi		•	•	
PTFE+PFA+PFA <i>Tripla isolamento</i>	250	CuNi		•		

A70



A70L



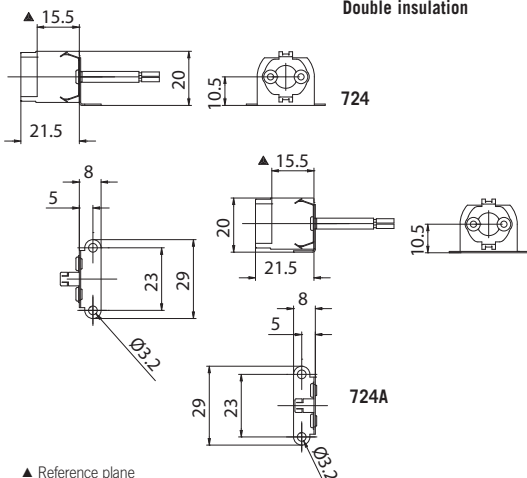
▲ Reference plane



724-



Double insulation

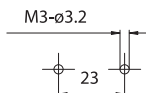


▲ Reference plane

724: 90° bracket, for lampholders A70-, in nickel-plated iron, with fixing holes diameter 3,2 mm, with 23 mm center distance, turned towards the cables.

724A: 90° bracket, in nickel-plated iron, with fixing holes diameter 3,2 mm with 23 mm center distance, turned towards the lampholder.

- Weight: 3 g.
- Instructions to fix the lampholder on structures.

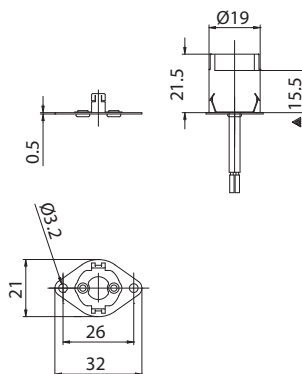


- Bracket fixing by holes diameter 3,2 mm with center distance 23 mm.
- Snap-in fixing to the lampholders.

725



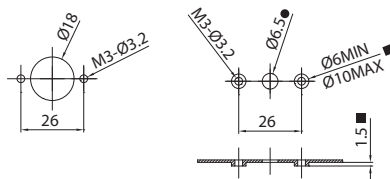
Double insulation



▲ Reference plane

725: plate bracket, for lampholders A70-, in nickel-plated iron, with fixing holes diameter 3,2 mm with center distance 26 mm.

- Weight: 2 g.
- Instructions to fix the lampholder on structures.



Suggested minimum dimension (if necessary)

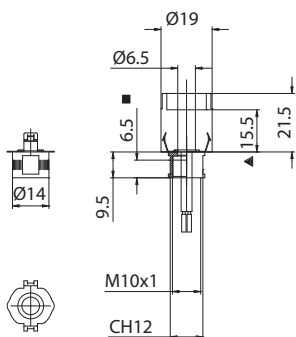
● for cables passage ■ for fixing columns

- Bracket fixing by holes diameter 3,2 mm with center distance 26 mm.
- Snap-in fixing to the lampholders.

720



Double insulation



▲ Reference plane ■ Thread depth

720: female nipple, for lampholders A70-, in nickel-plated brass, with threaded hole M10 x1.

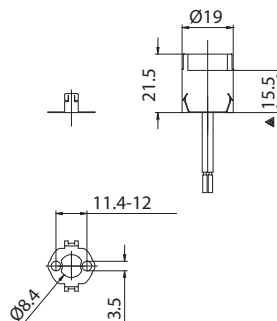
- Weight: 7 g.

- Fixing of the adapter by threaded nipples.
- Snap-in fixing to the lampholders.

719



Double insulation

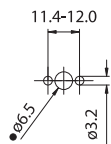


▲ Reference plane

719: support bracket, for lampholders A70-, in steel, with fixing slotted holes diameter 3,5 mm with center distance 11,4 ÷ 12,0 mm.

Available screws M3 x 8 mm with rounded hexagonal head, diameter 5,7 mm, key 2 mm, in white zinc-plated steel (art. 536).

- Weight: 0,5 g.
- Instructions to fix the lampholder on structures.



● Suggested minimum dimension for cables passage (if necessary)

- Bracket fixing by holes diameter 3,2 mm with center distance 11,4 ÷ 12,0 mm.
- Snap-in fixing to the lampholders.

LAMPHOLDERS FOR DISCHARGE LAMPS

A76



Lampholder whose creepage and clearance distances allow the use in class II fixtures with pulse peak voltage up to 4,5kV,
- or with working voltage up to 300V in applications foreseen for the overvoltage category II,
- or with working voltage up to 250V in applications foreseen for the overvoltage category III,
if connected with double or triple insulated cables (ref. standard EN 60598.1).

Solid fixing steel structure, independent from the body, which allows to carry out quick and safe fixing of the lampholder. This solves the problem of the easy breaking, during the fixing process, of the existing lampholders.

- Black LCP body.
External envelope in black LCP.
Contacts in special silver-plated alloy.

• Glow wire 960° C

- Weight of the lampholder in standard execution (with cables L = 25 cm): 11 g.



- Instructions to fix the lampholder on structures: snap-in fixing on the support bracket inserted in the accessories presented in the following pages.

Lampholder:	6U6.5
Rated voltage:	500 V
Rated current:	2 A
Impulse voltage:	5 kV
Working temperature:	T 240°C
Connected cables working temperature:	T 105°÷ 250°C
In conformity to the standards:	UL 496 CSA 22.2 N.43
Approval marks:	cURus

- Note: recommended maximum power 20W.

Single-conductor, flexible connecting cables crimped to the lampholder:

Insulation	T in °C	Conduct.	Available voltages and AWG	
			600V	18AWG
Silicone Single insulation	200	CuSn	•	•
Silicone+glass-braid Single insulation	200	CuSn	•	•
PTFE Single insulation	250	CuNi	•	•
PTFE+PFA Double insulation	250	CuNi	•	•

Attention: in the end product the cables connected to this lampholder should not be accessible during the normal replacement operations of the lamp (if accessible a cord-grip device should be provided).



A76

2006



Lampholder:

GU6.5

Rated voltage:

500 V

Impulse voltage:

5 kV

Rated current:

2 A

Working temperature:

T 260°C

Connected cables

working temperature:

T 105° ± 250°C

Overvoltage category:

III

Protection degree (IP):

IP20

In conformity to the standards:

EN 60838-1

In conformity to the requirements
of the directive:

2006/95/EC

Approval marks:

ENEC 03

CQC

• **Note:** recommended maximum power 20W.

Single-conductor, flexible connecting cables crimped
to the lampholder:

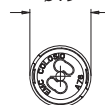
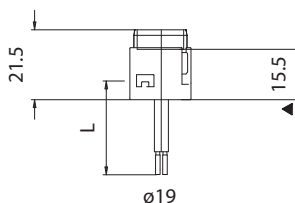
Insulation	T In °C	Conduct.	Available sections and tensions			
			Pulse kV	0,75 mm ²	1,00 mm ²	1,50 mm ²
Silicone+Silicone <i>Single insulation</i>	180	CuSn	5kV	•		
Oversize silicone <i>Single insulation</i>	180	CuSn	5kV	•		
Oversize PTFE <i>Single insulation</i>	250	CuNi	5kV	•	•	
Oversize PTFE +PFA <i>Double insulation</i>	250	CuNi	5kV	•	•	

On customer's request, the cable not subjected to the lamp starter voltage,
can be supplied with basic insulation.

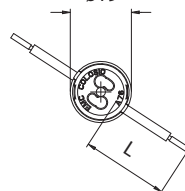
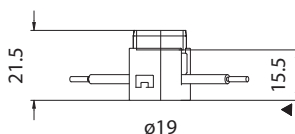


A76

Double insulation



A76L



▲ Reference plane



LAMPHOLDERS FOR DISCHARGE LAMPS

A76C



Lampholder whose creepage and clearance distances allow the use in class II fixtures with pulse peak voltage up to 4,5kV, - or with working voltage up to 300V in applications foreseen for the overvoltage category II, - or with working voltage up to 250V in applications foreseen for the overvoltage category III, if connected with double or triple insulated cables (ref. standard EN 60598.1).

Solid fixing steel structure, independent from the body, which allows to carry out quick and safe fixing of the lampholder. This solves the problem of the easy breaking, during the fixing process, of the existing lampholders.

- Steatite body (not produced in Europe).
External envelope in black LCP.
Contacts in special silver-plated alloy.
- Glow wire 960° C
- Weight of the lampholder in standard execution (with cables L = 25 cm): 11 g.



- Instructions to fix the lampholder on structures: snap-in fixing on the support bracket inserted in the accessories presented in the following pages.

Lampholder:	6U6.5
Rated voltage:	500 V
Rated current:	2 A
Impulse voltage:	5 kV
Working temperature:	T 240°C
Connected cables	
working temperature:	T 105°÷ 250°C
In conformity to the standards:	UL 496 CSA 22.2 N.43
Approval marks:	cURus

Single-conductor, flexible connecting cables crimped to the lampholder:

Insulation	T in °C	Conduct.	Available voltages and AWG	
			600V	18AWG
Silicone Single insulation	200	CuSn	•	•
Silicone+glass-braid Single insulation	200	CuSn	•	•
PTFE Single insulation	250	CuNi	•	•
PTFE+PFA Double insulation	250	CuNi	•	•

Attention: in the end product the cables connected to this lampholder should not be accessible during the normal replacement operations of the lamp (if accessible a cord-grip device should be provided).



A76C

2009



Lampholder:

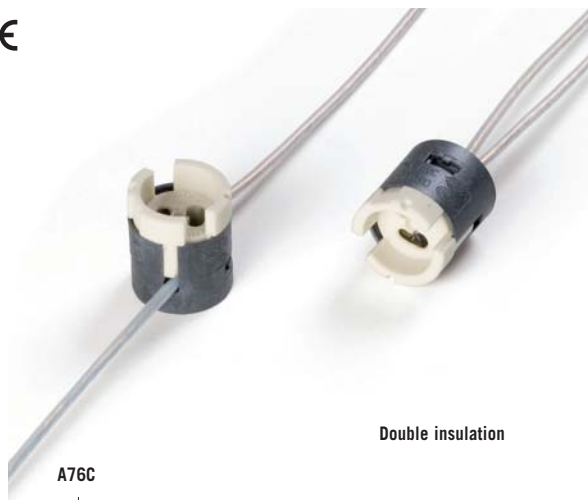
Rated voltage:
Impulse voltage:
Rated current:
Working temperature:
Connected cables
working temperature:
Overvoltage category:
Protection degree (IP):
In conformity to the standards:
In conformity to the requirements
of the directive:
Approval marks:

GU6.5
500 V
5 kV
2 A
T 260°C
T 105° ± 250°C
III
IP20
EN 60838-1
2006/95/EC
ENEC 03
CQC

Single-conductor, flexible connecting cables crimped
to the lampholder:

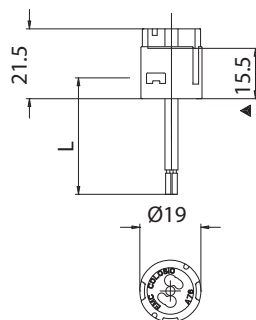
Insulation	T in °C	Conduct.	Available sections and tensions			
			Pulse kV	0,75 mm ²	1,00 mm ²	1,50 mm ²
Silicone+Silicone <i>Single insulation</i>	180	CuSn	5kV	•		
Oversize silicone <i>Single insulation</i>	180	CuSn	5kV	•		
Oversize PTFE <i>Single insulation</i>	250	CuNi	5kV	•	•	
Oversize PTFE +PFA <i>Double insulation</i>	250	CuNi	5kV	•	•	

On customer's request, the cable not subjected to the lamp starter voltage,
can be supplied with basic insulation.

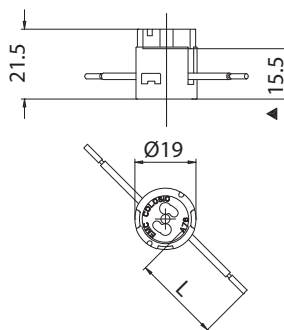


Double insulation

A76C



A76CL



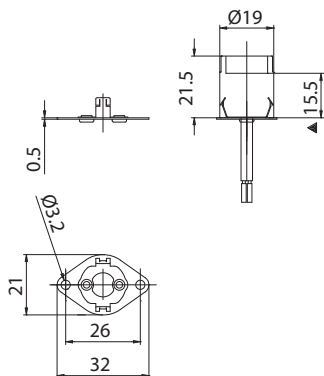
▲ Reference plane



725



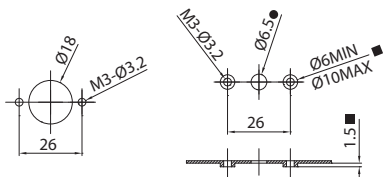
Double insulation



▲ Reference plane

725: plate bracket, for lampholders A76-, in nickel-plated iron, with fixing holes diameter 3,2 mm with center distance 26 mm.

- Weight: 2 g.
- Instructions to fix the lampholder on structures.



Suggested minimum dimension (if necessary)

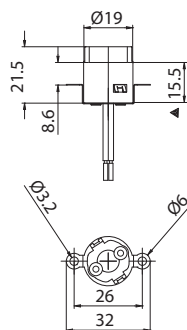
● for cables passage ■ for fixing columns

- Bracket fixing by holes diameter 3,2 mm with center distance 26 mm.
- Snap-in fixing to the lampholders.

765



Double insulation

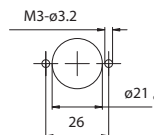


▲ Reference plane

765: plate bracket, for lampholders A76-, in nickel-plated iron, with fixing holes diameter 3,2 mm with center distance 26 mm.

Note: this solution allows to use the lampholder A76 (with base GU6.5) instead of the lampholder A70- (with base PGJ5) when this latest is equipped with the plate support bracket 725.

- Weight: 2 g.
- Instructions to fix the lampholder on structures.

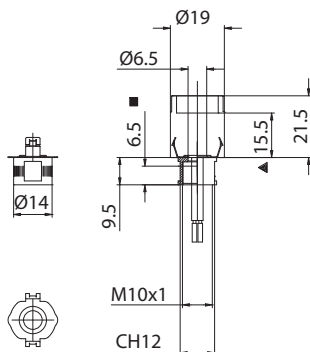


- Bracket fixing by holes diameter 3,2 mm with center distance 26 mm.
- Snap-in fixing to the lampholders.

720



Double insulation



▲ Reference plane ■ Thread depth

720: female nipple, for lampholders A76-, in steel with nickel-palated brass, with threaded hole M10 x1.

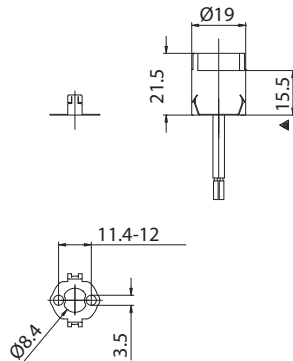
- Weight: 7 g.

- Fixing of the adapter by threaded nipples.
- Snap-in fixing to the lampholders.

719



Double insulation

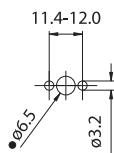


▲ Reference plane

719: support bracket, for lampholders A76-, in steel, with fixing slotted holes diameter 3,2 mm with center distance 11,4 ÷ 12,0 mm.

Available screws M3 x 8 mm with rounded hexagonal head, diameter 5,7 mm, key 2 mm, in white zinc-plated steel (art. 536).

- Weight: 0,5 g.
- Instructions to fix the lampholder on structures.



● Suggested minimum dimension for cables passage (if necessary)

- Bracket fixing by holes diameter 3,2 mm with center distance 11,4 ÷ 12,0 mm.
- Snap-in fixing to the lampholders.

724-

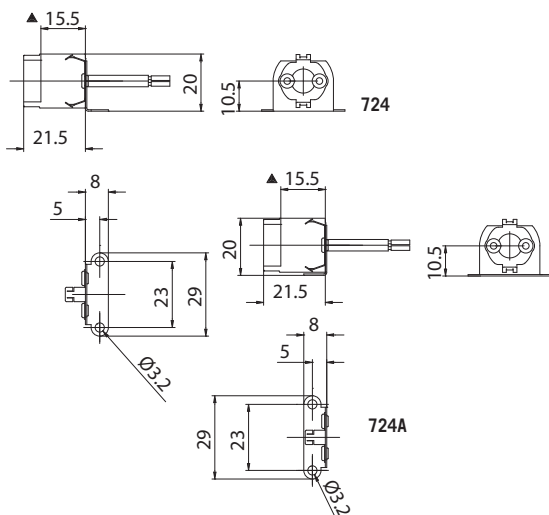


Double insulation

764A



Double insulation

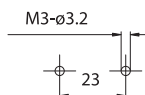


▲ Reference plane

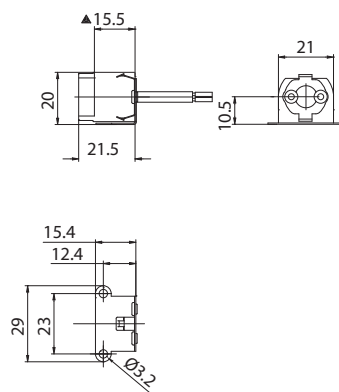
724: 90° bracket, for lampholders A76-, in nickel-plated iron, with fixing holes diameter 3,2 mm, with 23 mm center distance, turned towards the cables.

724A: 90° bracket, in nickel-plated iron, with fixing holes diameter 3,2 mm with 23 mm center distance, turned towards the lampholder.

- Weight: 3 g.
- Instructions to fix the lampholder on structures.



- Bracket fixing by holes diameter 3,2 mm with center distance 23 mm.
- Snap-in fixing to the lampholders.

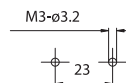


▲ Reference plane

764A: 90° bracket, in nickel-plated iron, with fixing holes diameter 3,2 mm with 23 mm center distance, turned towards the lampholder.

Note: this solution allows to use the lampholder A76 (with base GU6.5) instead of the lampholder A70- (with base PGJ5) when this latest is equipped with the 90° support bracket 724A.

- Weight: 3 g.
- Instructions to fix the lampholder on structures.



- Bracket fixing by holes diameter 3,2 mm with center distance 23 mm.
- Snap-in fixing to the lampholders.



LAMPHOLDERS FOR DISCHARGE LAMPS

A80



- Steatite body.
Contacts in special alloy.
Pressure spring in normalized stainless steel.
- Weight of the lampholder in standard execution
(with cables L = 25 cm): 30 g.



- Instructions to fix the lampholder on structures.
- Holes for cables passage (if necessary)
- Fixing of the lampholder by M3 screws, with maximum head diameter 6,0 mm, to be inserted in the fixing holes with center distance 18 mm.

Lampholder:	68.5
Rated voltage:	750 V
Rated current:	1 A
Impulse voltage:	5 kV
Working temperature:	T 250°C
Connected cables	
working temperature:	T 105°÷ 250°C
In conformity to the standards:	UL 496 CSA 22.2 N.43
Approval marks:	cURus

Single-conductor, flexible connecting cables crimped to the lampholder:

Insulation	T in °C	Conduct.	Available voltages and AWG	
			600V	18AWG
Silicone Single insulation	200	CuSn	•	•
Silicone+glass-braid Single insulation	200	CuSn	•	•
PTFE Single insulation	250	CuNi	•	•
PTFE+PFA Double insulation	250	CuNi	•	•



A80

1998



Lampholder:

G8.5

Rated voltage:

500 V

Impulse voltage:

5 kV

Rated current:

2 A

Working temperature:

T 250°C

Connected cables

working temperature:

T 105°± 250°C

Overvoltage category:

III

Protection degree (IP):

IP20

In conformity to the standards:

EN 60838-1

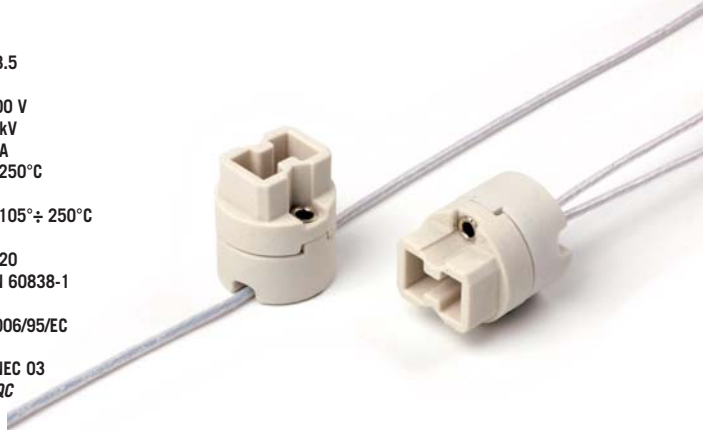
In conformity to the requirements
of the directive:

2006/95/EC

Approval marks:

ENEC 03

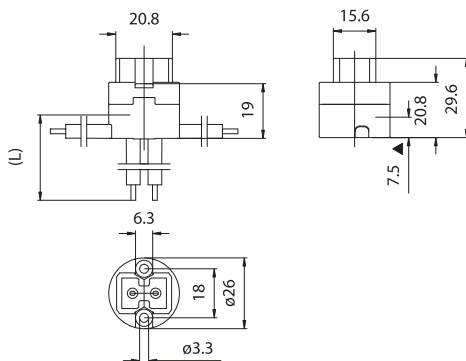
CQC



Single-conductor, flexible connecting cables
crimped to the lampholder:

Insulation	T In °C	Conduct.	Available sections and tensions			
			Pulse kV	0,75 mm ²	1,00 mm ²	1,50 mm ²
Oversize silicone <i>Single insulation</i>	180	CuSn	10kV			
Silicone+Silicone <i>Single insulation</i>	180	CuSn	5kV	•	•	
Oversize silicone <i>Single insulation</i>	180	CuSn	5kV	•	•	
Oversize PTFE <i>Single insulation</i>	250	CuNi	5kV		•	
Oversize PTFE +PFA <i>Double insulation</i>	250	CuNi	5kV		•	

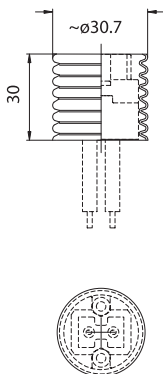
On customer's request, the cable not subjected to the lamp starter voltage,
can be supplied with basic insulation.



▲ Reference plane



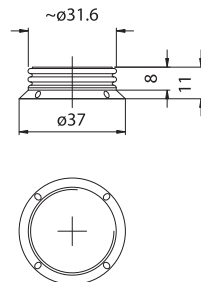
435/30



435/30: case, white zinc-plated iron, with round thread, external diameter 30,7 mm, height 30 mm.

- Weight: 10 g.

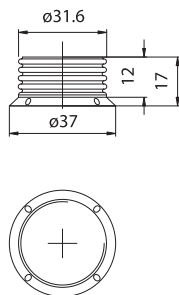
435F/11



435F/11: ring-nut, in white zinc-plated iron, with round thread, external diameter 31,6 mm, height 11 mm, for case 435-.

- Weight: 2,2 g.

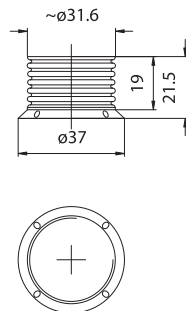
435F/15



435F/15: ring-nut, in white zinc-plated iron, with thread, external diameter 31,6 mm, height 15 mm, for case 435-.

- Weight: 2,2 g.

435F/22



435F/22: ring-nut, in white zinc-plated iron, with round thread, external diameter 31,6 mm, height 22 mm, for case 435-.

- Weight: 2,3 g.



LAMPHOLDERS FOR DISCHARGE LAMPS

A83H-



Lampholder whose creepage and clearance distances allow the use in class II fixtures with pulse peak voltage up to 5kV, with working voltage up to 500V, and in applications foreseen for the overvoltage category III, if connected with double or triple insulated cables (ref. standard EN 60598.1).

Solid fixing structure, in steel, independent from the ceramic body, that allows a quick and safe fixing of the lampholder.

- Steatite body.
Insulating base in black LCP.
Contacts in special alloy.
Pressure spring of the contacts in nickel-plated tempered and normalized steel.
Lateral springs for the centering of the lamp in stainless steel.
Central spring for guide / hold the lamp in stainless steel.
Note: the spring can also not be included because the lampholder itself has the conformity also without this component - see the sheet standard of the lampholders G8.5 EN 600061.2 sheet 7005.122-2 lampholder type A and type B. In the case of supply of lampholder without the guide/hold spring the reference code for the lampholder become A83Z).

- **Glow wire, of the insulating base, 960°C**
- Weight of the lampholder in standard execution (with cables L = 25 cm): 22 g.
- Instructions to fix the lampholder on structures: snap-in fixing using the support brackets presented in the following pages.

Lampholder:	G8.5
Rated voltage:	500 V
Rated current:	6 A
Impulse voltage:	5 kV
Working temperature:	T 240°C
Connected cables working temperature:	T 105°÷ 250°C
In conformity to the standards:	UL 496 CSA 22.2 N.43
Approval marks:	cURus

Single-conductor, flexible connecting cables crimped to the lampholder:

Insulation	T in °C	Conduct.	Available voltages and AWG	
			600V	18AWG
Silicone Single insulation	200	CuSn	•	•
Silicone+glass-braid Single insulation	200	CuSn	•	•
PTFE Single insulation	250	CuNi	•	•
PTFE+PFA Double insulation	250	CuNi	•	•



A83H-

2008

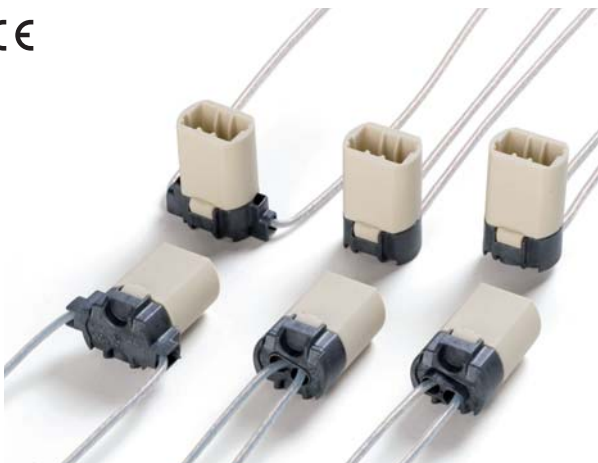
**Lampholder:****68.5**

Rated voltage:
Impulse voltage:
Rated current:
Working temperature:
Connected cables
working temperature:
Overvoltage category:
Protection degree (IP):
In conformity to the standards:
In conformity to the requirements
of the directive:
Approval marks:

500 V
5 kV
4 A
T 250°C

T 105°± 250°C
III
IP20
EN 60838-1

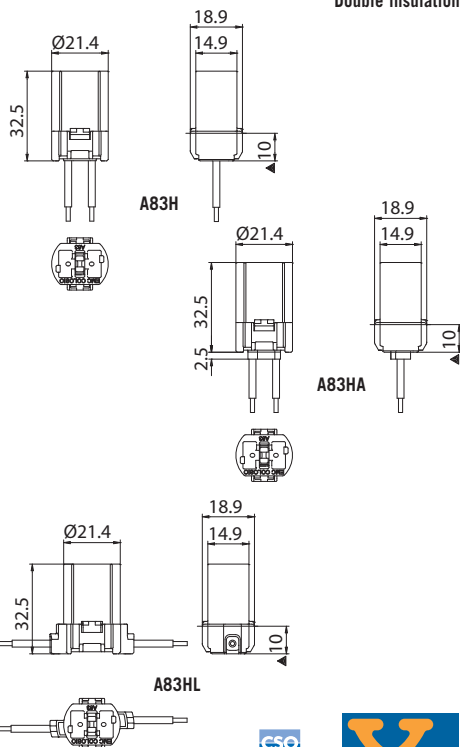
2006/95/EC
ENEC 03



A83H: Lampholder A83H with insulating base diameter 21 mm and cables with central back exit.
Version with ordinary insulation.

A83HA: Lampholder A83H with insulating base diameter 21 mm with long insulating pipe to be inserted in the slot of the fixing bracket and cables with central back exit.
Version in double insulation.

A83HL: Lampholder A83H with insulating base with side openings for the lateral-opposite exit of the cables.
Version in double insulation.

Double insulation

Single-conductor, flexible connecting cables crimped to the lampholder:

Insulation	T in °C	Conduct.	Available sections and tensions			
			Pulse kV	0,75 mm²	1,00 mm²	1,50 mm²
Silicone+Silicone <i>Single insulation</i>	180	CuSn	5kV	•		
Oversize silicone <i>Single insulation</i>	180	CuSn	5kV	•		
Oversize PTFE <i>Single insulation</i>	250	CuNi	5kV	•	•	
Oversize PTFE +PFA <i>Double insulation</i>	250	CuNi	5kV	•	•	

On customer's request, the cable not subjected to the lamp starter voltage, can be supplied with basic insulation.

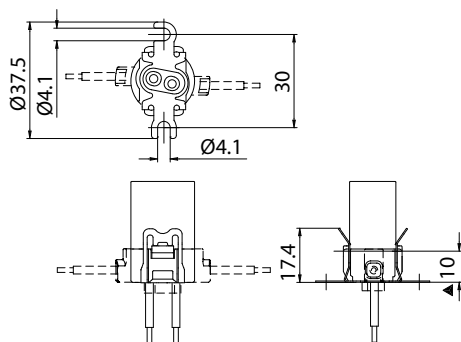
▲ Reference plane



777T



Double insulation



▲ Reference plane

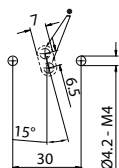
777T: support bracket, for lampholders A83-, in steel, with fixing slotted holes diameter 4,1 mm with center distance 30 mm.

A83HT - A83ZT: lampholder A83H - A83Z supplied with support bracket 777T (not assembled).

A83HAT - A83ZAT: lampholder A83HA - A83ZA supplied with support bracket 777T (not assembled).

A83HLT - A83ZLT: lampholder A83HL - A83ZL supplied with support bracket 777T (not assembled).

- Weight: 5 g.
- Instructions to fix the lampholder on structures.



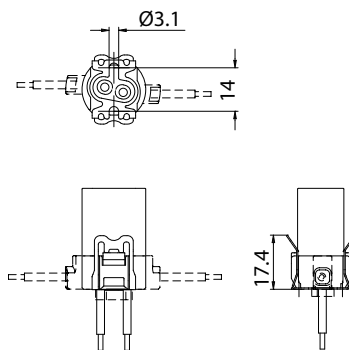
- Suggested minimum dimension for cables passage (if necessary)

- Fixing of the bracket using the holes diameter 4,1 mm with center distance 30 mm.
- Snap in fixing of the lampholder.

777C



Double insulation



▲ Reference plane

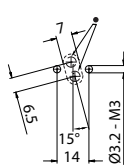
777C: support bracket, for lampholders A83-, in steel, with fixing holes diameter 3,2 mm with center distance 14 mm.

A83HC - A83ZC: lampholder A83H - A83Z supplied with support bracket 777C (not assembled).

A83HAC - A83ZAC: lampholder A83HA - A83ZA supplied with support bracket 777C (not assembled).

A83HLC - A83ZLC: lampholder A83HL - A83ZL supplied with support bracket 777C (not assembled).

- Weight: 5 g.
- Instructions to fix the lampholder on structures.



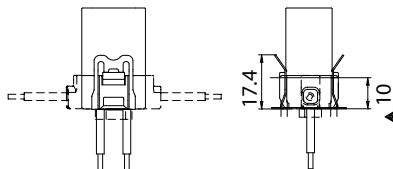
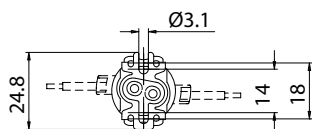
- Suggested minimum dimension for cables passage (if necessary)

- Fixing of the bracket using the holes diameter 3,2 mm with center distance 14 mm.
- Snap in fixing of the lampholder.

777D



Double insulation



▲ Reference plane

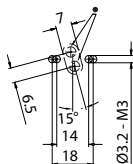
777D: support bracket, for lampholders A83-, in steel, with fixing slotted holes diameter 3,2 mm with center distance 14 ÷ 18 mm.

A83HD - A83ZD: lampholder A83H - A83Z supplied with support bracket 777D (not assembled).

A83HAD - A83ZAD: lampholder A83HA - A83ZA supplied with support bracket 777D (not assembled).

A83HLD - A83ZLD: lampholder A83HL - A83ZL supplied with support bracket 777D (not assembled).

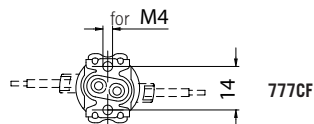
- Weight: 5 g.
- Instructions to fix the lampholder on structures.



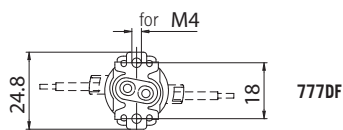
● Suggested minimum dimension for cables passage (if necessary)

- Fixing of the bracket using the holes diameter 3,2 mm with center distance 14 or 18 mm.
- Snap in fixing of the lampholder.

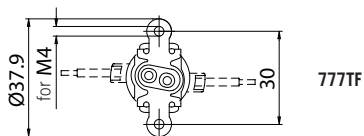
777-F



777CF



777DF



777TF

777CF: support bracket for lampholders A83-, with fixing holes for M4 screws with center distance 14 mm.

777DF: support bracket for lampholders A83-, with fixing holes for M4 screws with center distance 18 mm.

777TF: support bracket for lampholders A83-, with fixing holes for M4 screws with center distance 30 mm.

LAMPHOLDERS FOR DISCHARGE LAMPS

A84

- Steatite body.
Insulating base in black LCP.
Contacts in special silver-plated alloy.
Springs for the positioning of the contacts in stainless steel.
Push-in clamps built in the contacts.
- Weight: 25 g.

Lampholder:

Rated voltage:
Rated current:
Impulse voltage:
Working temperature:
Type of clamps to
connect the cables:

Clamps connecting
capacity:
In conformity to the standards:

GU8.5

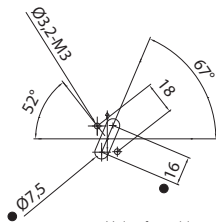
500 V
4 A
5 kV
T 240°C

SPRING CLAMPS
(push-in insertion)

18 AWG
UL 496
CSA 22.2 N.43

Approval marks:

- Instruction to fix the lampholder on structures.



- Fixing of the lampholder:
 - with two M3 screws to be inserted in the fixing holes with center distance 18 mm;
 - using the fixing plate presented in the following pages.

Single-conductor flexible connecting cables which could be connected to the lampholder (arranged with crimped end-terminals):

Insulation	T in °C	Conduct.	Available voltages and AWG	
			600V	18AWG
Silicone				
Single insulation	200	CuSn	•	•
Silicone+glass-braid				
Single insulation	200	CuSn	•	•
PTFE				
Single insulation	250	CuNi	•	•
PTFE+PFA				
Double insulation	250	CuNi	•	•

Attention: in the end product the cables connected to this lampholder should not be accessible during the normal replacement operations of the lamp (if accessible a cord-grip device should be provided).



A84

2010

CE

Lampholder:

Rated voltage:
Impulse voltage:
Rated current:
Working temperature:
Type of clamps to
connect the cables:

GU8.5

500 V
5 kV
4 A
T 250°C

SPRING CLAMPS
(push-in insertion)

Clamps connecting
capacity:
Overvoltage category:
Protection degree (IP):
In conformity to the standards:
In conformity to the requirements
of the directive:

0,75 - 1,00 mm
III
IP20
EN 60838-1

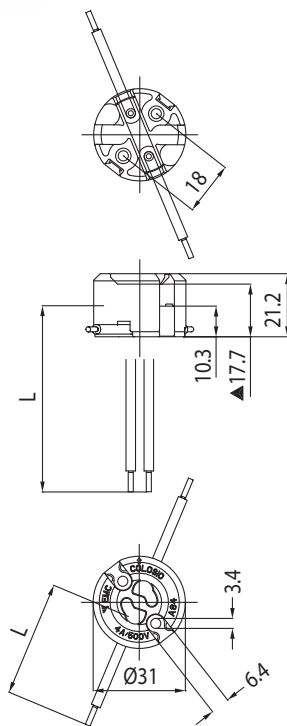
2006/95/EC

Approval marks:

Single-conductor flexible connecting cables which could be
connected to the lampholder (arranged with crimped end-terminals):

Insulation	T in °C	Conduct.	Available sections and tensions			
			Pulse kV	0,75 mm ²	1,00 mm ²	1,50 mm ²
Silicone+Silicone <i>Single insulation</i>	180	CuSn	5kV	•	•	
Oversize silicone <i>Single insulation</i>	180	CuSn	5kV	•	•	
Oversize PTFE <i>Single insulation</i>	250	CuNi	5kV		•	
Oversize PTFE+PFA <i>Double insulation</i>	250	CuNi	5kV		•	

On customer's request, the cable not subjected to the lamp starter voltage,
can be supplied with basic insulation.



▲ Reference plane



LAMPHOLDERS FOR DISCHARGE LAMPS

A84A

Lampholder whose creepage and clearance distances allow the use in class II fixtures with pulse peak voltage up to 5kV, with working voltage up to 500V, and in applications foreseen for the overvoltage category III, if connected with double or triple insulated cables (ref. standard EN 60598.1).

- Steatite body.
Insulating base in black LCP.
Contacts in special silver-plated alloy.
Springs for the positioning of the contacts in stainless steel.
Push-in clamps built in the contacts.
- Weight: 25 g.

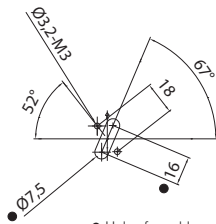
Lampholder:	GU8.5
Rated voltage:	500 V
Rated current:	4 A
Impulse voltage:	5 kV
Working temperature:	T 240°C
Type of clamps to connect the cables:	SPRING CLAMPS (push-in insertion)
Clamps connecting capacity:	18 AWG
In conformity to the standards:	UL 496 CSA 22.2 N.43

Approval marks:

Single-conductor flexible connecting cables which could be connected to the lampholder (arranged with crimped end-terminals):

Insulation	T in °C	Conduct.	Available voltages and AWG	
			600V	18AWG
Silicone Single insulation	200	CuSn	•	•
Silicone+glass-braid Single insulation	200	CuSn	•	•
PTFE Single insulation	250	CuNi	•	•
PTFE+PFA Double insulation	250	CuNi	•	•

- Instruction to fix the lampholder on structures.



- Fixing of the lampholder:
 - with two M3 screws to be inserted in the fixing holes with center distance 18 mm;
 - using the fixing plate presented in the following pages.

Attention: in the end product the cables connected to this lampholder should not be accessible during the normal replacement operations of the lamp (if accessible a cord-grip device should be provided).



A84A

2010

CE

Lampholder:

Rated voltage:
Impulse voltage:
Rated current:
Working temperature:
Type of clamps to
connect the cables:

GU8.5

500 V
5 kV
4 A
T 250°C

SPRING CLAMPS
(push-in insertion)

Clamps connecting
capacity:
Overvoltage category:
Protection degree (IP):
In conformity to the standards:
In conformity to the requirements
of the directive:

0,75 - 1,00 mm
III
IP20
EN 60838-1

2006/95/EC

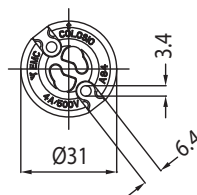
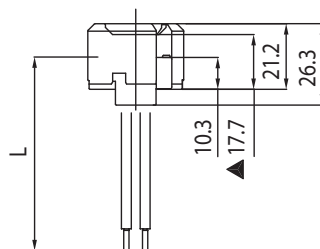
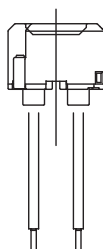
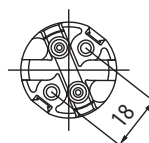
Approval marks:

Double insulation

Single-conductor flexible connecting cables which could be connected to the lampholder (arranged with crimped end-terminals):

Insulation	T in °C	Conduct.	Available sections and tensions			
			Pulse kV	0,75 mm ²	1,00 mm ²	1,50 mm ²
Silicone+Silicone <i>Single insulation</i>	180	CuSn	5kV	•	•	
Oversize silicone <i>Single insulation</i>	180	CuSn	5kV	•	•	
Oversize PTFE <i>Single insulation</i>	250	CuNi	5kV		•	
Oversize PTFE+PFA <i>Double insulation</i>	250	CuNi	5kV		•	

On customer's request, the cable not subjected to the lamp starter voltage, can be supplied with basic insulation.



▲ Reference plane

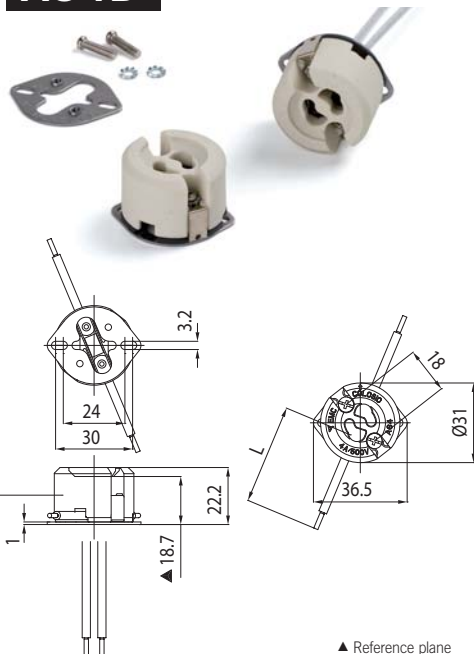


A84D

CE

A84AD

CE

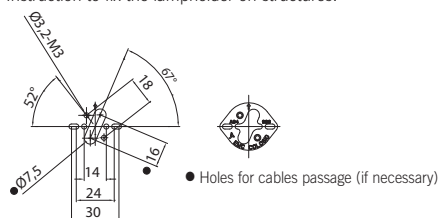


▲ Reference plane

A84D: lampholder A84 supplied with flat support plate, in zinc-plated iron, with fixing holes diameter 3,2 mm with center distance 14, 24 and 30 mm (art. 768).

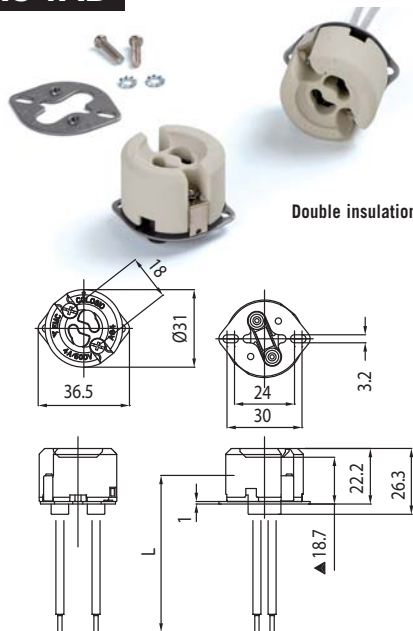
Note 1: the support plate 768 is supplied not assembled to the lampholder A84. The supplying code foresees also the two screws M3 x 12 mm (art. 523) and tab washer (art. 547) for the fixing of the lampholder A84 on the plate.

- Weight: 60 g.
- Instruction to fix the lampholder on structures.



● Holes for cables passage (if necessary)

- Fixing of the plate 768 using the holes diameter 3,2 mm with center distance 14 or 24 or 30 mm.
- Fixing of the lampholder to plate 768 using the two screws M3 x 12 mm (already included) to be inserted in the holes of the lampholder with center distance 18 mm.



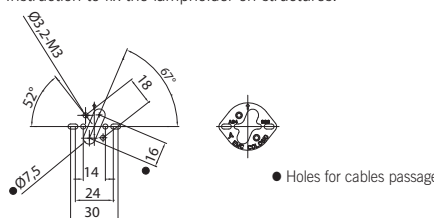
▲ Reference plane

Double insulation

A84AD: lampholder A84A supplied with flat support plate, in zinc-plated iron, with fixing holes diameter 3,2 mm with center distance 14, 24 and 30 mm (art. 768).

Note 1: the support plate 768 is supplied not assembled to the lampholder A84A. The supplying code foresees also the two screws M3 x 12 mm (art. 523) and tab washer (art. 547) for the fixing of the lampholder A84A on the plate.

- Weight: 65 g.
- Instruction to fix the lampholder on structures.



● Holes for cables passage

- Fixing of the plate 768 using the holes diameter 3,2 mm with center distance 14 or 24 or 30 mm.
- Fixing of the lampholder to plate 768 using the two screws M3 x 12 mm (already included) to be inserted in the holes of the lampholder with center distance 18 mm.



LAMPHOLDERS FOR DISCHARGE LAMPS

Lampholder whose creepage and clearance distances allow the use in class II fixtures with pulse peak voltage up to 4,5kV,
- or with working voltage up to 350V in applications foreseen for the overvoltage category II,
- or with working voltage up to 300V in applications foreseen for the overvoltage category III,
if connected with double or triple insulated cables (ref. standard EN 60598.1).

NOTE 1: back cable-clamp cover to be assembled after having inserted the cables in double insulation, which can exit from the back side or lateral side of the lampholder (ref. standard EN 60598.1 par. 5.2.10.3 "pull test 60 N" and "torsion test 0,15 Nm").

NOTE 2: used as connector is suitable for the external use in lighting fixtures according to the paragraph 4.13.1 "mechanical resistance" of standard EN 60598.1.

In some applications, it is necessary to guarantee the fastening of the cable-clamps cover by two 3 x 12 thread-forming screws for plastic, to be inserted in the holes with center distance 24 mm (ref. art. 526).

Attention: consider 5 cm of cables loss in lampholder with cables exit from the back side; consider 7 and 3 cm of cables loss in lampholder with cables exit from the lateral side.

Note: on request, it is also possible to supply the lampholder with already inserted cables (ref. A85C- with back side exit, ref. A85LC- with lateral side exit).

- Grey LCP body (black on request).
Contacts in special golden-plated alloy.
Push-in clamps built in the contacts.
Cables exit from the back side or lateral side.
Built in cable-clamp device.
Aesthetical cover in aluminium with finishing raw, or polished, or sand-blasted and anodized (or painted, on request).

- **Glow wire 960° C**
- Weight: 30 g.
- Instructions to fix the lampholder on structures, if necessary:
 - see the note here below or see the accessories presented in the following pages.
 - It is possible to fix the lampholder by two thread-forming screws for plastic diameter 3 mm, max length 15 mm + thickness of the material, to be inserted in the holes with center distance 24 mm (available thread-forming screws for plastic 3 x15 mm, ref. art. 650).

A85C-



PATENTED

Lampholder - connector:	GX8.5
Rated voltage:	750 V
Rated current:	2 A
Impulse voltage:	5 kV
Working temperature:	T 220°C
Type of clamps to connect the cables:	SPRING CLAMPS (push-in insertion)
Clamps connecting capacity:	18 AWG
In conformity to the standards:	UL 496 CSA 22.2 N.43
Approval marks:	cURus

Single-conductor flexible connecting cables which could be connected to the lampholder (arranged with crimped end-terminals):

Insulation	T in °C	Conduct.	Available voltages and AWG	
			600V	18AWG
Silicone Single insulation	200	CuSn	•	•
Silicone+glass-braid Single insulation	200	CuSn	•	•
PTFE Single insulation	250	CuNi	•	•
PTFE+PFA Double insulation	250	CuNi	•	•



A85C-

2003



PATENTED

Lampholder - connector:

Rated voltage:

Impulse voltage:

Rated current:

Working temperature:

Type of clamps to connect the cables:

Clamps connecting capacity:

Overvoltage category:

Protection degree (IP):

In conformity to the standards:

In conformity to the requirements of the directive:

Approval marks:

GX8.5

500 V

5 kV

2 A

T 220°C

**SPRING CLAMPS
(push-in insertion)**

1 mm²

III

IP20

EN 60838-1

2006/95/EC

ENEC 03

CQC



Double insulation

A85CB: version of the lampholder A85 with back central exit of the cables and aesthetical cover in sand-blasted and anodized aluminium (for the cover ref. art. 496/27B).

A85LCB: version of the lampholder A85 with lateral exit of the cables and aesthetical cover in sand-blasted and anodized aluminium (for the cover ref. art. 496/27B).

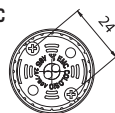
A85CQ: version of the lampholder A85 with back central exit of the cables and aesthetical cover in pulished aluminium (for the cover ref. art. 496/27Q).

A85LCQ: version of the lampholder A85 with lateral exit of the cables and aesthetical cover in pulished aluminium (for the cover ref. art. 496/27Q).

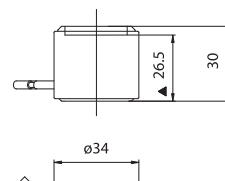
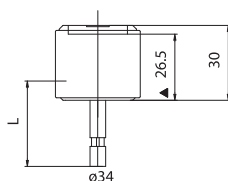
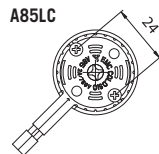
Single-conductor flexible connecting cables which could be connected to the lampholder (arranged with crimped end-terminals):

Insulation	T in °C	Conduct.	Available sections and tensions			
			Pulse kV	0,75 mm ²	1,00 mm ²	1,50 mm ²
Silicone+Silicone <i>Single insulation</i>	180	CuSn	5kV		•	
Oversize silicone <i>Single insulation</i>	180	CuSn	5kV		•	
Oversize PTFE <i>Single insulation</i>	250	CuNi	5kV		•	
Oversize PTFE+PFA <i>Double insulation</i>	250	CuNi	5kV		•	

A85C



A85LC



▲ Reference plane



LAMPHOLDERS FOR DISCHARGE LAMPS

Lampholder whose creepage and clearance distances allow the use in class II fixtures with pulse peak voltage up to 4,5kV,
- or with working voltage up to 350V in applications foreseen for the overvoltage category II,
- or with working voltage up to 300V in applications foreseen for the overvoltage category III,
if connected with double or triple insulated cables (ref. standard EN 60598.1).

NOTE: back cable-clamp cover to be assembled after having inserted the cables in double insulation, which can exit from the back side or lateral side of the lampholder (ref. standard EN 60598.1 par. 5.2.10.3 "pull test 60 N" and "torsion test 0,15 Nm").

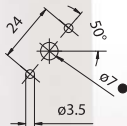
In some applications, it is necessary to guarantee the fastening of the cable-clamps cover by two 3 x 12 thread-forming screws for plastic, to be inserted in the holes with center distance 24 mm (ref. art. 526).

Attention: consider 5 cm of cables loss in lampholder with cables exit from the back side; consider 7 and 3 cm of cables loss in lampholder with cables exit from the lateral side.

Note: on request, it is also possible to supply the lampholder with already inserted cables (ref. A85- with back side exit, ref. A85L- with lateral side exit).

- Grey LCP body (code A85E-) or black LCP body (code A85N-).
Contacts in special golden-plated alloy.
Push-in clamps built in the contacts.
Cables exit from the back side or lateral side.
Built in cable-clamp device.

- **Glow wire 960° C**
- Weight: 20 g.
- Instructions to fix the lampholder on structures, if necessary:
 - see the note here below or see the accessories presented in the following pages.
 - It is possible to fix the lampholder by two thread-forming screws for plastic diameter 3 mm, max length 15 mm + thickness of the material, to be inserted in the holes with center distance 24 mm (available thread-forming screws for plastic 3x15 mm, ref. art. 650).



● Suggested minimum dimension for cables passage (if necessary)

A85



PATENTED

Lampholder - connector:

GX8.5

Rated voltage:
Rated current:
Impulse voltage:
Working temperature:
Type of clamps to connect the cables:

750 V
2 A
5 kV
T 220°C

Clamps connecting capacity:
In conformity to the standards:

SPRING CLAMPS
(push-in insertion)

18 AWG
UL 496
CSA 22.2 N.43

Approval marks:

cURus

Single-conductor flexible connecting cables which could be connected to the lampholder (arranged with crimped end-terminals):

Insulation	T in °C	Conduct.	Available voltages and AWG	
			600V	18AWG
Silicone Single insulation	200	CuSn	•	•
Silicone+glass-braid Single insulation	200	CuSn	•	•
PTFE Single insulation	250	CuNi	•	•
PTFE+PFA Double insulation	250	CuNi	•	•



A85

2003



PATENTED

Lampholder - connector:

Rated voltage:

Impulse voltage:

Rated current:

Working temperature:

Type of clamps to

connect the cables:

Clamps connecting

capacity:

Overvoltage category:

Protection degree (IP):

In conformity to the standards:

In conformity to the requirements

of the directive:

Approval marks:

GX8.5

500 V

5 kV

2 A

T 220°C

SPRING CLAMPS
(push-in insertion)

1 mm²

III

IP20

EN 60838-1

2006/95/EC

ENEC 03

CQC



Double insulation

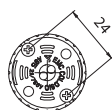
A85E-: lampholder A85 with body in grey LCP.

A85N-: lampholder A85 with body in black LCP.

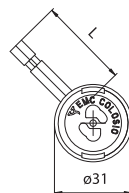
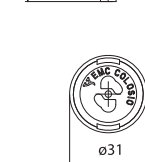
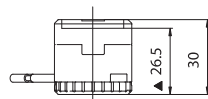
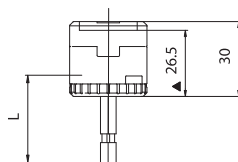
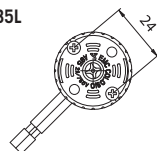
Single-conductor flexible connecting cables which could be connected to the lampholder (arranged with crimped end-terminals):

Insulation	T in °C	Conduct.	Available sections and tensions			
			Pulse kV	0,75 mm ²	1,00 mm ²	1,50 mm ²
Silicone+Silicone <i>Single insulation</i>	180	CuSn	5kV		•	
Oversize silicone <i>Single insulation</i>	180	CuSn	5kV		•	
Oversize PTFE <i>Single insulation</i>	250	CuNi	5kV		•	
Oversize PTFE+PFA <i>Double insulation</i>	250	CuNi	5kV		•	

A85



A85L



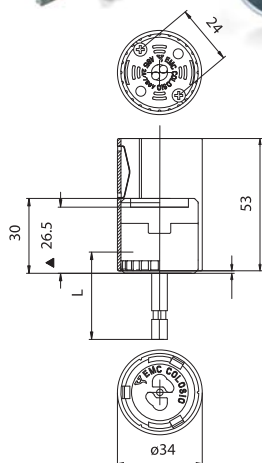
▲ Reference plane



A85CM



Double insulation



▲ Reference plane

A85CM: version of the A85 lampholder with back central exit of the cables and "lamp-guide" cover with three internal leaf springs. The cover, length 53 mm, is in sand-blasted and anodised aluminium.

A85LCM: version of the A85 lampholder with lateral exit of the cables and "lamp-guide" cover with three internal leaf springs. The cover, length 53 mm, is in sand-blasted and anodised aluminium.

• Weight: 40 g.

The "lamp-guide" cover grants that the bulb remains in axial position with the lampholder when this is not use free, like a connector, but used fixed to a structure as lampholder.

496/53---: only "lamp-guide" cover, length 53 mm, with the three springs included, but not assembled to the cover, in the following versions:

- **496/53BS:** cover in sand-blasted and anodised aluminium for A85 lampholder with back central exit of the cables.
- **496/53LBS:** cover in sand-blasted and anodised aluminium for A85 lampholder with lateral exit of the cables.
- **496/53GS:** cover in raw aluminium for A85 lampholder with back central exit of the cables.
- **496/53LGS:** cover in raw aluminium for A85 lampholder with lateral exit of the cables.

• Weight: 20 g.

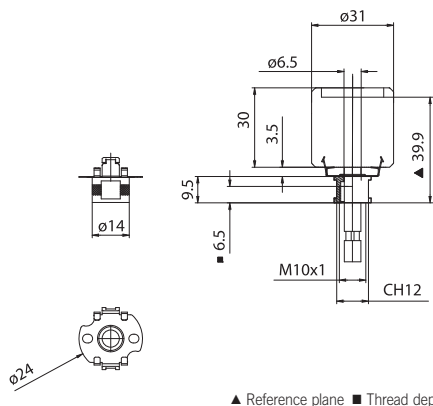
The "lamp-guide" cover grants that the bulb remains in axial position with the lampholder when this is not use free, like a connector, but used fixed to a structure as lampholder.

- To fix the lampholder see the data sheet of the lampholder A85 or the accessories represented in the following page.

730



Double insulation



730: female nipple, for lampholders A85-, in nickel-plated brass, with threaded hole M10 x1.

Note: when the lampholders of this series are used with this accessory the back part of the lampholder, "the back cord-grip cap", is different from the standard one to assure a correct snap-in fixing of the bracket with the lampholder. In this case the reference code for the lampholder becomes A85A, for the version without aesthetical covering, and A85AC-, for the version with the aesthetical covering.

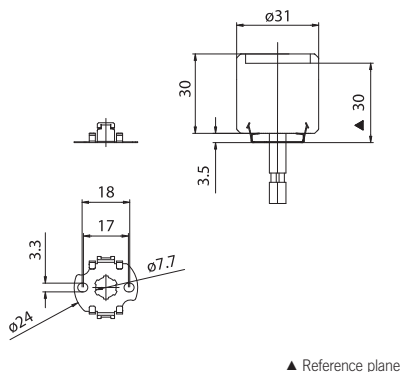
- Weight: 10 g.

- Fixing of the adapter by threaded nipples.
- Snap-in fixing to the lampholders.

729



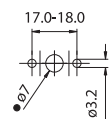
Double insulation



729: support bracket, for lampholders A85-, in steel, with fixing slotted holes diameter 3,5 mm with center distance 17 ÷ 18 mm.

Note: when the lampholders of this series are used with this accessory the back part of the lampholder, "the back cord-grip cap", is different from the standard one to assure a correct snap-in fixing of the bracket with the lampholder. In this case the reference code for the lampholder becomes A85A-, for the version without aesthetical covering and A85AC-, for the version with the aesthetical covering.

- Weight: 4 g.
- Instructions to fix the lampholder on structures.



● Suggested minimum dimension for cables passage (if necessary)

- Bracket fixing using the two holes diameter 3,5 mm with center distance 17 or 18 mm.
- Snap-in fixing to the lampholders.

LAMP HOLDERS FOR DISCHARGE LAMPS

Lampholder whose creepage and clearance distances allow the use in class II fixtures with pulse peak voltage up to 5kV, working tension up to 500V,

- or in applications foreseen for the overvoltage category II,
- or in applications foreseen for the overvoltage category III,
if there aren't metallic parts within a diameter of 35 mm, from the fixing base of the lampholder, if connected with double or triple insulated cables (ref. standard EN 60598.1).

Even though this lampholder has creepage and clearances distances in conformity to the requirements of the class II, with working tension up to 500 V and pulse peak voltage up to 5 kV (if connected with double insulated cables), since the external envelope in metal is in contact with the cap of the lamp also in metal, it should be verified that possible other metallic accessible parts of the lighting fixture, close either to the external envelope of the lampholder or to the metallic part of the lamp cap, it should be spaced following the requirements of the standard EN 60598-1.

Solid fixing structure, in diecast aluminium.

External envelope with open sectors that allow, especially during the replacement of the lamp, to see and verify easily the correct position of the lamp (the lamp has the two polarized pins and it is not easy to identify their difference).

Perfect centring of the lamp in the lampholder, in all the possible applications in the lighting fixtures, thanks also to the three leaf springs at 120° provided on the envelope.

Versatile possibility to chose different center fixings, both in the standard version of the lampholder (fixing with center distance 51 and 52 mm) and in the version with the accessories (fixing with center distance 18, 30, 34, 38 and 42 mm).

Possibility to insert an eyelet terminal for M4 screws, connected to the ground conductor, under the head of one of the fixing screws, using the foreseen opening of the external envelope of the lampholder.

Possible exit of the cables central-back or lateral.

Attention: consider 2 cm of cables loss in lampholder with cables exit from the central back side; consider 3 cm of cables loss in lampholder with cables exit from the lateral side.

Note: on request, it is also possible to supply the lampholder with already inserted cables (ref. A91 for the version with the back exit, ref. A91L for the version with the lateral exit).

• Steatite body.

External envelope in diecast aluminium.

Contacts in special silver-plated alloy.

Push-in clamps built in the contacts.

Springs for the positioning of the lamp in stainless steel.

Leaf springs for the centering of the lamp in stainless steel.

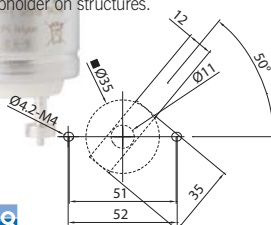
Cables exit from the back side or lateral side.

• Weight: 90 g.

• Instruction to fix the lampholder on structures.

■ Dimension for class II applications for overvoltage category III

• Suggested minimum dimension for cables passage (if necessary)



A91



PATENTED

Lampholder:

PG212

Maximum power:

660 W

Rated voltage:

600 V

Impulse voltage:

5 kV

Working temperature:

T 250°C

Type of clamps to connect the cables:

SPRING CLAMPS
(push-in insertion)

Clamps connecting capacity:

18 AWG

In conformity to the standards:

UL 496

CSA 22.2 N.43

Approval marks:

cURus

Single-conductor flexible connecting cables which could be connected to the lampholder (arranged with crimped end-terminals):

Insulation	T in °C	Conduct.	Available voltages and AWG			
			600V	18AWG	16AWG	14AWG
Silicone Single insulation	200	CuSn	•	•	•	
Silicone+glass-braid Single insulation	200	CuSn	•	•	•	
PTFE Single insulation	250	CuNi	•	•	•	
PTFE+PFA Double insulation	250	CuNi	•	•	•	

Attention: the cables connected to this lampholder must not be accessible during the normal replacement operations of the lamp, in the finished product (if accessible, a cable-clamp device must be provided).

• Fixing of the lampholder:

- with two M4 screws to be inserted in the slotted fixing holes with center distance 51 or 52 mm;
- inserting two M4 nuts in the hexagonal seats foreseen on the envelope and screwing, using a center distance 52 mm, two M4 screws from the back part of the lampholder itself;
- using the fixing plate presented in the following pages.

A91

2008



PATENTED

Lampholder:

Rated voltage:
Impulse voltage:
Rated current:
Working temperature:
Type of clamps to
connect the cables:

Clamps connecting
capacity:
Overvoltage category:
Protection degree (IP):
In conformity to the standards:
In conformity to the requirements
of the directive:

Approval marks:

PGZ12

500 V
5 kV
4 A
T 280°C

SPRING CLAMPS
(push-in insertion)

0,75 ÷ 1,00 mm²

III

IP20

EN 60838-1

2006/95/EC

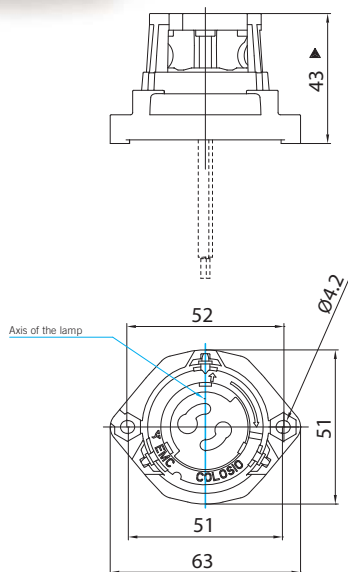
ENEC 03
CQC



Single-conductor flexible connecting cables which could be connected to the lampholder (arranged with crimped end-terminals):

Insulation	T In °C	Conduct.	Available sections and tensions			
			Pulse kV	0,75 mm ²	1,00 mm ²	1,50 mm ²
Silicone+Silicone <i>Single insulation</i>	180	CuSn	5kV	•	•	
Oversize silicone <i>Single insulation</i>	180	CuSn	5kV	•	•	
Silicone+Silicone + Glass-braid <i>Single insulation</i>	180	CuSn	5kV	•	•	
Oversize PTFE <i>Single insulation</i>	250	CuNi	5kV		•	
Oversize PTFE+PFA <i>Double insulation</i>	250	CuNi	5kV		•	

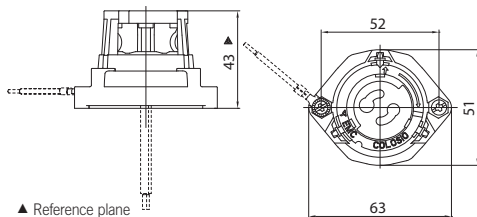
On customer's request, the cable not subjected to the lamp starter voltage, can be supplied with basic insulation.



▲ Reference plane



A91DT

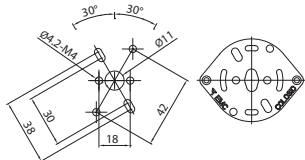


A91DT: lampholder A91 supplied with flat support plate, in zinc-plated iron, with fixing holes diameter 4,2 mm with center distance 18, 30, 34, 38 and 42 mm (art. 958). This version is helpful when there is the need to use the structure of the envelope of the lampholder to fix the ground cable.

Note 1: the support plate 958 is supplied not assembled to the lampholder A91. The supplying code foresees also one screw M4 x 6 mm (art. 538), one screw M4 x 7 mm (art. 532) and one tab washer (art. 531) for the fixing of the lampholder A91 on the plate.

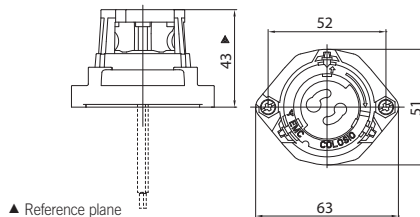
Note 2: in this configuration the lampholder cannot be used for applications in double insulation.

- Weight: 95 g.
- Instruction to fix the lampholder on structures.



- Fixing of the plate 958 using the holes diameter 4,2 mm with center distance 18 or 30 or 34 or 38 or 42 mm.
- Fixing of the lampholder to plate 958 using the two M4 screws (already included) to be inserted in the holes of the lampholder with center distance 52 mm.

A91D

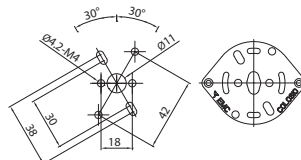


A91D: lampholder A91 supplied with flat support plate, in zinc-plated iron, with fixing holes diameter 4,2 mm with center distance 18, 30, 34, 38 and 42 mm (art. 958).

Note 1: the support plate 958 is supplied not assembled to the lampholder A91. The supplying code foresees also the two screws M4 x 6 mm (art. 538) for the fixing of the lampholder A91 on the plate.

Note 2: in this configuration the lampholder cannot be used for applications in double insulation.

- Weight: 95 g.
- Instruction to fix the lampholder on structures.

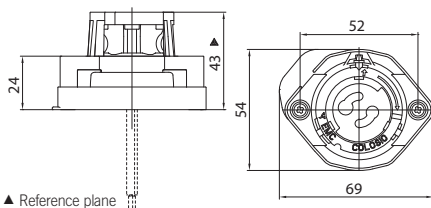


- Fixing of the plate 958 using the holes diameter 4,2 mm with center distance 18 or 30 or 34 or 38 or 42 mm.
- Fixing of the lampholder to plate 958 using the two screws M4 x 6 mm (already included) to be inserted in the holes of the lampholder with center distance 52 mm.

A91C



Double insulation



A91C: lampholder A91 supplied with insulating accessories, in PPS T240°C (T200°C and used with an impulsive tension up to 4 kV, for the cURus version), with fixing holes diameter 4,2 mm with center distances 18, 30, 34, 38 and 42 mm.

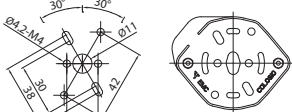
Solution for applications in double insulation when there is the need to fix the lampholder with center distances 18, 30, 34, 38 or 42 mm on metallic fixing structures.

Attention also in this application that, since the external envelope in metal is in contact with the cap of the lamp also in metal, it should be verified that possible other metallic accessible parts of the lighting fixture, close either to the external envelope of the lampholder or to the metallic part of the lamp cap, it should be spaced following the requirements of the standard EN 60598-1.

Note 1: the accessories set, base art. 959C, carter cable-guide art. 957 and the screws covers art. 960, are supplied not assembled to the lampholder. The supplying code foresees also two flat washers to be put under the head of the screws (art. 661) and two self-threading screws for plastic 3x 9 mm (art. 652) for the fixing of the lampholder A91 to the insulating base.

Note 2: the reference plane of the lamp, also in this version with the insulating accessories, remains the same of the standard version (43 mm).

- Weight: 100 g.
- Instruction to fix the lampholder on structures.

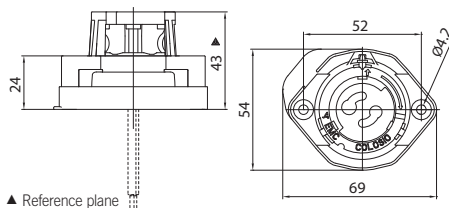


- Fixing of the insulating base 959C using the holes diameter 4,2 mm with center distance 18 or 30 or 34 or 38 or 42 mm.
- Fixing of the lampholder to the insulating base 959C using the two self-threading screws for plastic 3 x 9 mm (already included) to be inserted in the holes of the lampholder with center distance 52 mm, positioning the two flat washers under the head of the screws.

A91P



Double insulation



A91P: lampholder A91 supplied with insulating accessories, in PPS T240°C (T200°C and used with an impulsive tension up to 4 kV, for the cURus version), with fixing holes diameter 4,2 mm with center distance 52 mm.

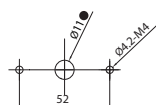
Solution for applications in double insulation when the fixing structure has metal parts within a diameter 11 mm from the support base of the lampholder.

Attention also in this application that, since the external envelope in metal is in contact with the cap of the lamp also in metal, it should be verified that possible other metallic accessible parts of the lighting fixture, close either to the external envelope of the lampholder or to the metallic part of the lamp cap, it should be spaced following the requirements of the standard EN 60598-1.

Note 1: the accessories set, base art. 959P, carter cable-guide art. 957 and the screws covers art. 960, are supplied not assembled with the lampholder.

Note 2: the reference plane of the lamp, also in this version with the insulating accessories, remains the same of the standard version (43 mm).

- Weight: 100 g.
- Instruction to fix the lampholder on structures.



• Suggested minimum dimension for cables passage (if necessary)

- Fixing of the lampholder using two M4 screws to be inserted in the fixing holes with center distance 52 mm.

ADAPTERS WITH LAMPHOLDER FOR DISCHARGE LAMPS

M204/A91

2010

Adapter with lampholder:

Maximum power:
Rated voltage:
Impulse voltage:
Working temperature of the part
with the E39 screw shell:

Working temperature of the part
lampholder PGZ12:
In conformity to the standards:

E39/39 + PGZ12

660 W
600 V
5 kV

T 200°C with internal holder in PPS
T 240°C with internal holder in LCP

T 250°C
UL 496
CSA 22.2 N.43

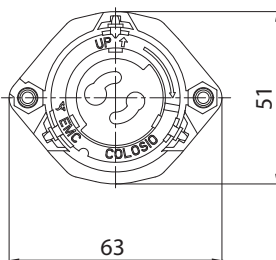
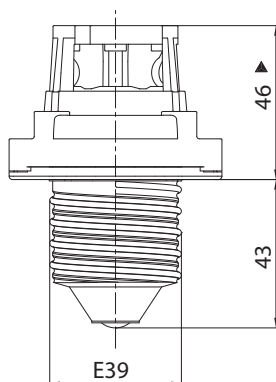


Approval marks:

M204/A91: Adapter with cap E39/39 (Mogul base) with
lampholder PGZ12, our code A91, with temperature
of the part screw shell limited to T200°C.

M204/A91H: Adapter with cap E39/39 (Mogul base) with
lampholder PGZ12, our code A91, with temperature
of the part screw shell limited to T240°C.

- For the technical characteristics of the lampholder PGZ12, our
code A91, refer to the pages 271 and 270 of this catalogue.
- For the adapter part:
Screw shell in raw brass.
Internal housing in PPS T200°C or in LCP T240°C.
For the lampholder part:
Steatite body.
External envelope in diecast aluminium.
Contacts in special silver-plated alloy.
Springs for the positioning of the lamp in stainless steel.
Leaf springs for the centering of the lamp in stainless steel.
- Weight: 160 g.



▲ Reference plane



ADAPTERS WITH LAMPHOLDER FOR DISCHARGE LAMPS

M203/A91

2010

Adapter with lampholder:

Maximum power:
Rated voltage:
Impulse voltage:
Working temperature of the part
with the E26 screw shell:

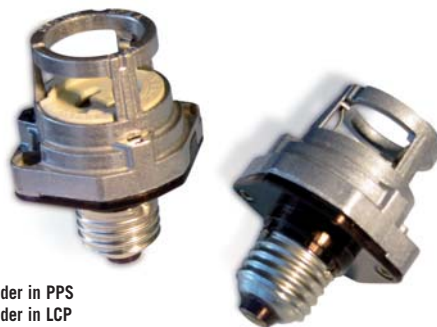
Working temperature of the part
lampholder PGZ12:
In conformity to the standards:

E26 + PGZ12

660 W
600 V
5 kV

T 200°C with internal holder in PPS
T 240°C with internal holder in LCP

T 250°C
UL 496
CSA 22.2 N.43



Approval marks:

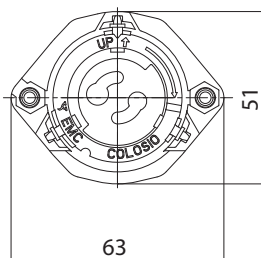
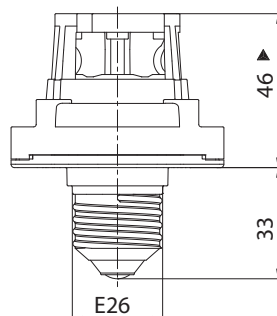
M203/A91: Adapter with cap E26 (Medium base) with lampholder PGZ12, our code A91, with temperature of the part screw shell limited to T200°C.

M203/A91H: Adapter with cap E26 (Medium base) with lampholder PGZ12, our code A91, with temperature of the part screw shell limited to T240°C.

- For the technical characteristics of the lampholder PGZ12, our code A91, refer to the pages 271 and 270 of this catalogue.

- For the adapter part:
Screw shell in nickel-plated brass.
Internal housing in PPS T200°C or in LCP T240°C.
For the lampholder part:
Steatite body.
External envelope in diecast aluminium.
Contacts in special silver-plated alloy.
Springs for the positioning of the lamp in stainless steel.
Leaf springs for the centering of the lamp in stainless steel.

- Weight: 135 g.



▲ Reference plane



LAMPHOLDERS FOR DISCHARGE LAMPS

Lampholder whose creepage and clearance distances allow the use in class II fixtures with ignition impulse voltage up to 4,5kV, working voltage up to 350V, and in applications foreseen for the overvoltage category III, if connected with double or triple insulated cables (ref. standard EN 60598.1)

Solid fixing structure, in diecast aluminium.

External envelope with open sectors that allows, especially during the replacement of the lamp, to see and verify easily the correct position of the lamp (the lamp has the two polarized pins and it is not easy to identify their difference).

Perfect centring of the lamp in the lampholder, in all the possible applications in the lighting fixtures, thanks also to the three leaf springs at 120° provided on the envelope.

Versatile possibility to chose different center fixings both in the standard version of the lampholder (fixing with center distance 52 and 56 mm) and in the version with the accessories (fixing with center distance 18, 30, 34, 38 and 42 mm).

Possibility to fix the lampholder on structures foreseen for lampholders with cap PG212 - A91.

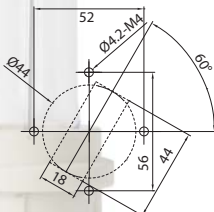
Possibility to insert an eyelet terminal for M4 screws, connected to the ground conductor, under the head of one of the fixing screws, using the foreseen opening of the external envelope of the lampholder.

Possible exit of the cables central-back, lateral or opposite-lateral.

Attention: consider 2 cm of cables loss in lampholder with cables exit from the central back side or opposite-lateral; consider 2 cm for one cable and 5 cm for the other of cables loss in lampholder with cables exit from the lateral side.

- Steatite body.
External envelope in diecast aluminium.
Contacts in special silver-plated alloy.
Steel strengthening springs for the contacts.
Springs for the positioning of the lamp in stainless steel.
Leaf springs for the centering of the lamp in stainless steel.
Cables exit from the back side or lateral side.

- Weight (with cables l = 35 cm): 115 g.
- Instruction to fix the lampholder on structures.



- Fixing of the lampholder:
 - with two M4 screws to be inserted in the fixing holes with center distance 56 mm;
 - with two M4 screws to be inserted in the slotted fixing holes with center distance 52 mm;
 - inserting two M4 nuts in the hexagonal seats foreseen on the envelope and screwing, using a center distance 52 mm, two M4 screws from the back part of the lampholder itself;
 - using the fixing plate presented in the following pages.

A93

CAUS

PATENTED

Lampholder:

PG218

Maximum power:

660 W

Rated voltage:

600 V

Impulse voltage:

5 kV

Working temperature:

T 250°C

Connected cables

working temperature:

T 105° ± 250°C

In conformity to the standards:

UL 496

CSA 22.2 N.43

Approval marks:

cURus

Single-conductor, flexible connecting cables crimped to the lampholder:

Insulation	T in °C	Conduct.	Available voltages and AWG			
			600V	18AWG	16AWG	14AWG
Silicone Single insulation	200	CuSn	•	•	•	•
Silicone+glass-braid Single insulation	200	CuSn	•	•	•	•
PTFE Single insulation	250	CuNi	•	•	•	•
PTFE+PFA Double insulation	250	CuNi	•	•	•	•



A93

2009



PATENTED

Lampholder:

Rated voltage:
Impulse voltage:
Rated current:
Working temperature:
Connected cables
working temperature:
Overvoltage category:
Protection degree (IP):
In conformity to the standards:
In conformity to the requirements
of the directive:

PGZ18

500 V
5 kV
8 A
T 300°C

T 105° ± 250°C
III
IP20
EN 60838-1

2006/95/EC

Approval marks:

CSv - IMQ
CQC



Double insulation

A93: Lampholder A93 with cables with central back exit.

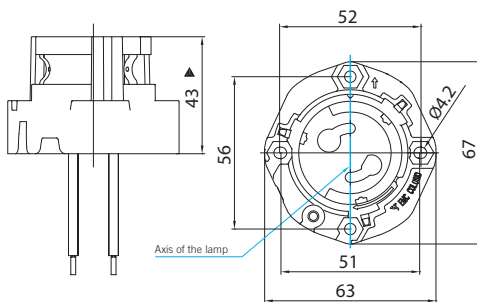
A93L: Lampholder A93 with lateral exit of the cables.

A93A: Lampholder A93 with lateral-opposite exit of the cables.

Single-conductor, flexible connecting cables
crimped to the lampholder:

Insulation	T in °C	Conduct.	Available sections and tensions			
			Pulse kV	0,75 mm ²	1,00 mm ²	1,50 mm ²
Silicone+Silicone <i>Single insulation</i>	180	CuSn	5kV		•	•
Oversize silicone <i>Single insulation</i>	180	CuSn	5kV		•	•
Silicone+Silicone + Glass-braid <i>Single insulation</i>	180	CuSn	5kV		•	•
Oversize PTFE <i>Single insulation</i>	250	CuNi	5kV		•	•
Oversize PTFE+PFA <i>Double insulation</i>	250	CuNi	5kV		•	•

On customer's request, the cable not subjected to the lamp starter voltage,
can be supplied with basic insulation.



▲ Reference plane



LAMPHOLDERS FOR DISCHARGE LAMPS

Lampholder whose creepage and clearance distances allow the use in class II fixtures with ignition impulse voltage up to 4,5kV, working voltage up to 350V, and in applications foreseen for the overvoltage category III, if connected with double or triple insulated cables (ref. standard EN 60598.1)

Solid fixing structure, in diecast aluminium.

External envelope with open sectors that allows, especially during the replacement of the lamp, to see and verify easily the correct position of the lamp (the lamp has the two polarized pins and it is not easy to identify their difference).

Perfect centring of the lamp in the lampholder, in all the possible applications in the lighting fixtures, thanks also to the three leaf springs at 120° provided on the envelope.

Versatile possibility to chose different center fixings both in the standard version of the lampholder (fixing with center distance 52 and 56 mm) and in the version with the accessories (fixing with center distance 18, 30, 34, 38 and 42 mm).

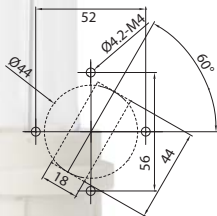
Possibility to fix the lampholder on structures foreseen for lampholders with cap PG212 - A91.

Possibility to insert an eyelet terminal for M4 screws, connected to the ground conductor, under the head of one of the fixing screws, using the foreseen opening of the external envelope of the lampholder.

Possible exit of the cables central-back, lateral or opposite-lateral.

Attention: consider 2 cm of cables loss in lampholder with cables exit from the central back side or opposite-lateral; consider 2 cm for one cable and 5 cm for the other of cables loss in lampholder with cables exit from the lateral side.

- Steatite body.
External envelope in diecast aluminium.
Contacts in special silver-plated alloy.
Steel strengthening springs for the contacts.
Springs for the positioning of the lamp in stainless steel.
Leaf springs for the centering of the lamp in stainless steel.
Cables exit from the back side or lateral side.
- Weight (with cables l = 35 cm): 115 g.
- Instruction to fix the lampholder on structures.



- Fixing of the lampholder:
 - with two M4 screws to be inserted in the fixing holes with center distance 56 mm;
 - with two M4 screws to be inserted in the slotted fixing holes with center distance 52 mm;
 - inserting two M4 nuts in the hexagonal seats foreseen on the envelope and screwing, using a center distance 52 mm, two M4 screws from the back part of the lampholder itself;
 - using the fixing plate presented in the following pages.

A93X

CALUS

PATENTED

Lampholder:	PGZX18
Maximum power:	660 W
Rated voltage:	600 V
Impulse voltage:	5 kV
Working temperature:	T 250°C
Connected cables working temperature:	T 105° ± 250°C
In conformity to the standards:	UL 496 CSA 22.2 N.43

Approval marks: cURus

Single-conductor, flexible connecting cables crimped to the lampholder:

Insulation	T in °C	Conduct.	Available voltages and AWG			
			600V	18AWG	16AWG	14AWG
Silicone Single insulation	200	CuSn	•	•	•	•
Silicone+glass-braid Single insulation	200	CuSn	•	•	•	•
PTFE Single insulation	250	CuNi	•	•	•	•
PTFE+PFA Double insulation	250	CuNi	•	•	•	•



A93X

2009



PATENTED

Lampholder:

Rated voltage:
Impulse voltage:
Rated current:
Working temperature:
Connected cables
working temperature:
Overvoltage category:
Protection degree (IP):
In conformity to the standards:
In conformity to the requirements
of the directive:

PGZX18

500 V
5 kV
8 A
T 300°C

T 105± 250°C
III
IP20
EN 60838-1

2006/95/EC

Approval marks:

CSv - IMQ
CQC



Double insulation

A93X: Lampholder A93X with cables with central back exit.

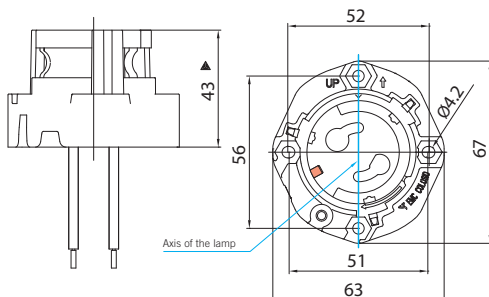
A93XL: Lampholder A93X with lateral exit of the cables.

A93XA: Lampholder A93X with lateral-opposite exit of the cables.

Single-conductor, flexible connecting cables
crimped to the lampholder:

Insulation	T In °C	Conduct.	Available sections and tensions			
			Pulse kV	0,75 mm ²	1,00 mm ²	1,50 mm ²
Silicone+Silicone <i>Single insulation</i>	180	CuSn	5kV		•	•
Oversize silicone <i>Single insulation</i>	180	CuSn	5kV		•	•
Silicone+Silicone + Glass-braid <i>Single insulation</i>	180	CuSn	5kV		•	•
Oversize PTFE <i>Single insulation</i>	250	CuNi	5kV		•	•
Oversize PTFE+PFA <i>Double insulation</i>	250	CuNi	5kV		•	•

On customer's request, the cable not subjected to the lamp starter voltage,
can be supplied with basic insulation.



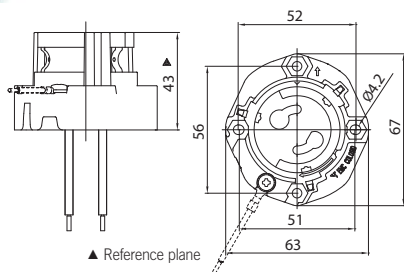
▲ Reference plane



A93F A93XF



Double insulation



▲ Reference plane

A93F - A93XF: lampholder A93 or A93X supplied with the aluminium envelope with a M4 thread that can be used to fix the eyelet of the ground cable (suggested a screw M4 x 5 mm).

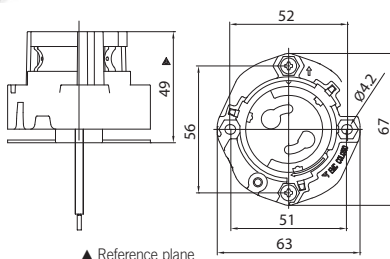
This version is helpful when there is the need to use the structure of the envelope of the lampholder to fix the ground cable.

- Weight: 115 g.
- Instruction to fix the lampholder on structures: see the previous pages.

A93D A93XD



Double insulation



▲ Reference plane

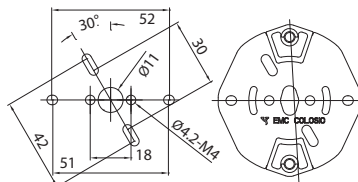
A93D - A93XD: lampholder A93 or A93X supplied with flat support plate, in zinc-plated iron, with fixing holes diameter 4,2 mm with center distance 18, 30, 34, 38, 42, 51 and 52 mm (art. 969).

Note 1: the support plate 969 is supplied not assembled to the lampholder A93-. The supplying code foresees also two spacers in aluminium (art.964) and the two screws M4 x 22 mm (art. 663) for the fixing of the lampholder A93- on the plate.

Note 2: the reference plane of the lamp, in this version becomes 49 mm (in the standard version is 43 mm).

Note 3: in this configuration the lampholder cannot be used for applications in double insulation.

- Weight: 120 g.
- Instruction to fix the lampholder on structures.

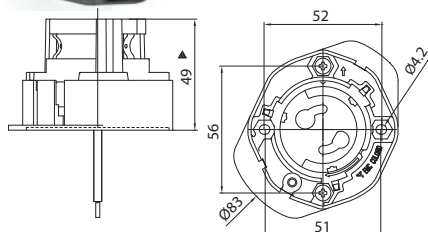


- Fixing of the plate 969 using the holes diameter 4,2 mm with center distance 18 or 30 or 34 or 38 or 42 or 51 or 52 mm.
- Fixing of the lampholder to plate 969 using the two screws M4 x 22 mm (already included) to be inserted in the holes of the lampholder with center distance 56 mm putting the two spacer in aluminium between the plate and the lampholder.

A93C A93XC



Double insulation



▲ Reference plane

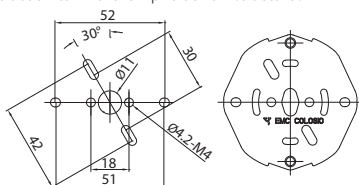
A93C - A93XC: lampholder A93 or A93X supplied with insulating accessory, in PPS T240°C (T200°C for the cURus version) and flat fixing plate, in zinc-plated iron, with fixing holes diameter 4,2 mm with center distances 18, 30, 34, 38 and 42 mm.

Solution for applications in double insulation when there is the need to fix the lampholder with center distances 18, 30, 34, 38 or 42 mm on metallic fixing structures.

Note 1: the accessories set, base art. 968, and the fixing plate art. 969, are supplied not assembled to the lampholder. The supplying code foresees also two screws M4 x 22 mm (art. 663) for the fixing of the lampholder A93- to the fixing plate.

Note 2: the reference plane of the lamp, in this version, becomes 49 mm (in the standard version is 43 mm).

- Weight: 120 g.
- Instruction to fix the lampholder on structures.

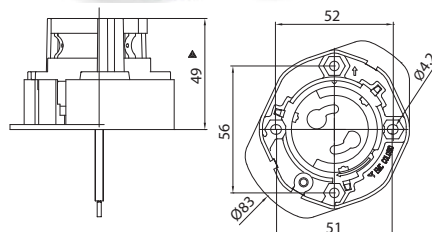


- Fixing of the plate 969 using the holes diameter 4,2 mm with center distance 18 or 30 or 34 or 38 or 42 or 51 or 52 mm.
- Fixing of the lampholder and of the insulating accessory 968 using the two screws M4 x 22 mm (already included) to be inserted in the holes of the lampholder with center distance 56 mm.

A93P A93XP



Double insulation



▲ Reference plane

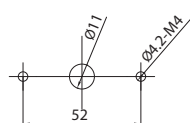
A93P - A93XP: lampholder A93 or A93X supplied with insulating accessory, in PPS T240°C (T200°C for the cURus version), with fixing holes diameter 4,2 mm with center distance 51, 52 and 56 mm.

Solution for applications in double insulation when the fixing structure has metal parts within a diameter 11 mm from the support base of the lampholder.

Note 1: the accessory, base art. 968 is supplied not assembled with the lampholder.

Note 2: the reference plane of the lamp, in this version with the insulating accessories, becomes 49 mm (in the standard version is 43 mm).

- Weight: 120 g.
- Instruction to fix the lampholder on structures.



- Fixing of the lampholder and of the insulating accessory 968 using two M4 screws to be inserted in the fixing holes with center distance 52 or 56 mm.

ADAPTERS WITH LAMPHOLDER FOR DISCHARGE LAMPS

M204/A93X

2010

Adapter with lampholder:

Maximum power:
Rated voltage:
Impulse voltage:
Working temperature of the part
with the E39 screw shell:

EX39/39 + PGZX18

660 W
600 V
5 kV

Working temperature of the part
lampholder PGZX18:
In conformity to the standards:

T 200°C with internal holder in PPS
T 240°C with internal holder in LCP

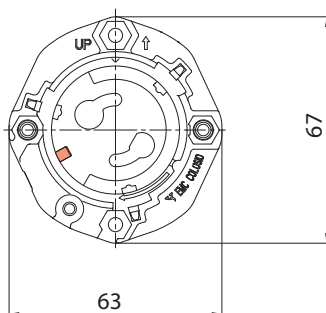
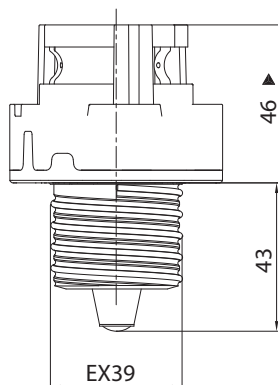
T 250°C
UL 496
CSA 22.2 N.43

Approval marks:

M204/A93X: Adapter with cap EX39/39 (Mogul "extended" base) with lampholder PGZX18, our code A93X, with temperature of the part screw shell limited to T200°C.

M204/A93XH: Adapter with cap EX39/39 (Mogul "extended" base) with lampholder PGZX18, our code A93X, with temperature of the part screw shell limited to T240°C.

- For the technical characteristics of the lampholder PGZX18, our code A93X, refer to the pages 279 and 278 of this catalogue.
- For the adapter part:
Screw shell in nickel-plated brass.
Internal housing in PPS T200°C or in LCP T240°C.
For the lampholder part:
Steatite body.
External envelope in diecast aluminium.
Contacts in special silver-plated alloy.
Springs for the positioning of the lamp in stainless steel.
Leaf springs for the centering of the lamp in stainless steel.
- Weight: 175 g.



▲ Reference plane



ADAPTERS WITH LAMPHOLDER FOR DISCHARGE LAMPS

M204/A93

2010

Adapter with lampholder:

Maximum power:
Rated voltage:
Impulse voltage:
Working temperature of the part
with the E39 screw shell:

Working temperature of the part
lampholder PGZ18:
In conformity to the standards:

E39/39 + PGZ18

**660 W
600 V
5 kV**

**T 200°C with internal holder in PPS
T 240°C with internal holder in LCP**

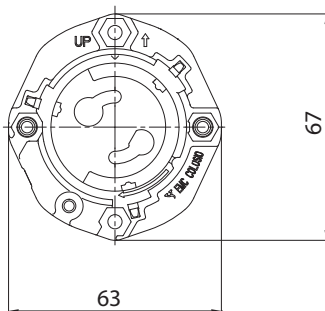
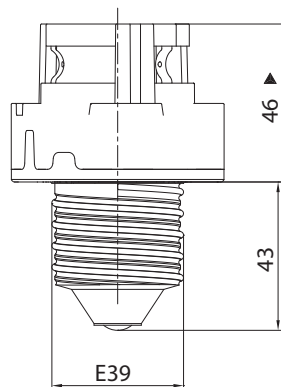
**T 250°C
UL 496
CSA 22.2 N.43**

Approval marks:

M204/A93: Adapter with cap E39/39 (Mogul base) with lampholder PGZ18, our code A93, with temperature of the part screw shell limited to T200°C.

M204/A93H: Adapter with cap E39/39 (Mogul base) with lampholder PGZ18, our code A93, with temperature of the part screw shell limited to T240°C.

- For the technical characteristics of the lampholder PGZ18, our code A93, refer to the pages 277 and 276 of this catalogue.
- For the adapter part:
Screw shell in raw brass.
Internal housing in PPS T200°C or in LCP T240°C.
For the lampholder part:
Steatite body.
External envelope in diecast aluminium.
Contacts in special silver-plated alloy.
Springs for the positioning of the lamp in stainless steel.
Leaf springs for the centering of the lamp in stainless steel.
- Weight: 175 g.



▲ Reference plane



LAMPHOLDERS FOR DISCHARGE LAMPS

Lampholder whose creepage and clearance distances allow the use in class II fixtures, with working tension up to 500 V and pulse peak voltage up to 5 kV, if connected with double or triple insulated cables (ref. standard EN 60598.1).

Perfect centring of the lamp in the lampholder, in all the possible applications in the lighting fixtures.

Safety additional springs to maintain in position the lamp also in places with very high vibrations. These two springs are not included in the standard version, if needed the code of the lampholder becomes A37A.

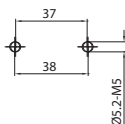
Possible exit of the cables, lateral or opposite lateral.

Attention: consider 2 cm of cables loss in lampholder.

Note: in case this lampholder is used with lamps with high power, 1.000W and 2.000W, the connected cables become two for each pole to distribute in a proper way the current that, in these cases, is very high. For 1.000W lamps it is recommended to use two double cables of section 1.00 sqmm; for 2.000W lamps it is recommended to use two double cables of section 1.50 sqmm.

- Steatite body.
Insulated base in micarta plate.
Contacts in special silver-plated alloy.
Pressure spring in normalized stainless steel.
External retaining spring for the lamp in stainless steel (only for the code A37A).
- Weight (with cables l = 35 cm): 185 g.

- Instruction to fix the lampholder on structures.



- Fixing of the lampholder by M5 screws to be inserted in the slotted fixing holes with center distance 37 or 38.



A37

2010

CE

Lampholder:

G22

Rated voltage:

500 V

Impulse voltage:

5 kV

Rated current:

20 A

Working temperature:

T 350°C

Connected cables

working temperature:

T 105° ± 250°C

Overvoltage category:

III

Protection degree (IP):

IP20

In conformity to the standards:

EN 60838-1

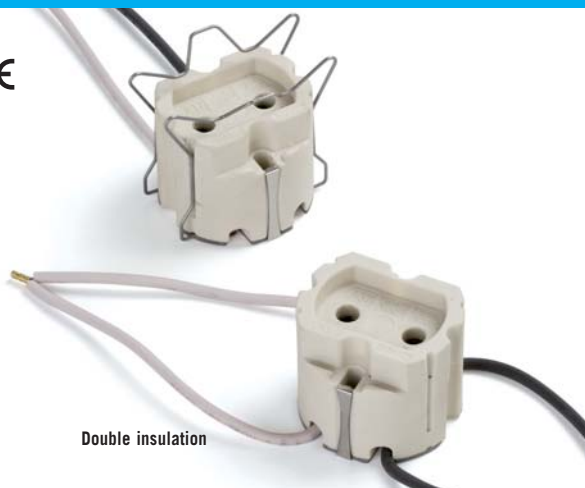
In conformity to the requirements of the directive:

2006/95/EC

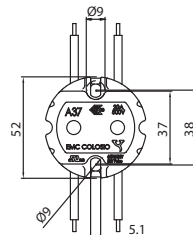
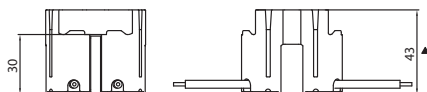
Approval marks:

A37: Lampholder G22 in standard version.

A37A: Lampholder G22 in version with external springs to retain the lamp.



Double insulation

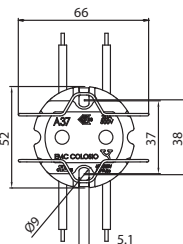
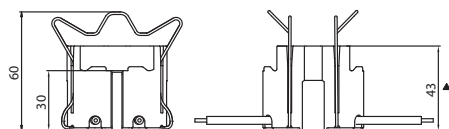


A37-

Single-conductor, flexible connecting cables crimped to the lampholder:

Insulation	T in °C	Conduct.	Available sections and tensions			
			Pulse kV	0,75 mm²	1,00 mm²	1,50 mm²
Silicone+Silicone Single insulation	180	CuSn	5kV	•	•	•
Oversize silicone Single insulation	180	CuSn	5kV	•	•	•
Silicone+Silicone + Glass-braid Single insulation	180	CuSn	5kV	•	•	•
Oversize PTFE Single insulation	250	CuNi	5kV		•	•
Oversize PTFE+PFA Double insulation	250	CuNi	5kV		•	•

On customer's request, the cable not subjected to the lamp starter voltage, can be supplied with basic insulation.



A37A-

▲ Reference plane

CSQ

EMC COLOSIO

EMC COLOSIO

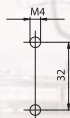
LAMPHOLDERS FOR DISCHARGE LAMPS

Current carrying capacity of cables:

- 6A for cables of section until 0,75 mm²
- 8A for cables of section from 1,00 mm²

Attention: the lampholders must be assembled on the proper fixing structures, so that, one lampholder is fixed and the other is movable. For this reason the screws of the fixed lampholder are white zinc-plated and completely threaded, and the screws of the movable lampholder are yellow zinc-plated and partially threaded.

- Porcelain body.
Contacts in special alloy.
Pressure springs of the contacts in normalized stainless steel.
Fixing screws already inserted in the lampholder.
- Weight of the lampholder in standard execution
(with cables L = 25 cm): 155 g.
- D: fixing distance of the lampholders pair on rigid structures
(dimension from the center of the slot):
 - 150,0 mm for lamps with Fc2 cap, with "Z nom." lamp 139,0 mm (250W)
 - 193,0 mm for lamps with Fc2 cap, with "Z nom." lamp 182,0 mm (400W)
 - 244,0 mm for lamps with Fc2 cap, with "Z nom." lamp 233,0 mm (1000W)
- Instructions to fix the lampholder on structures.



- Fixing of the lampholders pair by M4 screws slot + cross head already inserted in the lampholder body at center distance 32 mm.

A35

1989

**Lampholder:**

Rated voltage:
Impulse voltage:
Rated current:
Working temperature:
Connected cables
working temperature:
Overvoltage category:
Protection degree (IP):
In conformity to the standards:
In conformity to the requirements
of the directive:

Fc2

500 V
5 kV
8 A
T 250°C

T 105° ± 250°C
III
IP20
EN 60838-1

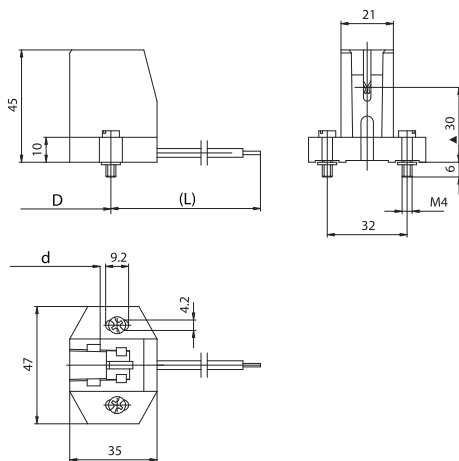
2006/95/EC**ENEC 03**

Approval marks:



Single-conductor, flexible connecting cables crimped to the lampholder:

Insulation	T In °C	Conduct.	Available sections and tensions			
			Pulse kV	0,75 mm ²	1,00 mm ²	1,50 mm ²
Oversize silicone <i>Single insulation</i>	180	CuSn	10kV		•	•
Oversize silicone <i>Single insulation</i>	180	CuSn	5kV	•	•	•
Silicone+Silicone <i>Single insulation</i>	180	CuSn	5kV	•	•	•
Oversize PTFE <i>Single insulation</i>	250	CuNi	5kV		•	•
Oversize PTFE +PFA <i>Double insulation</i>	250	CuNi	5kV		•	•



▲ Focus point of the lamp

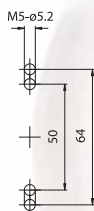


CERAMIC SUPPORT FOR DISCHARGE LAMPS

Attention: this clamp support has uncovered parts under tension. During the project verify that surface and air distance prescribed by lighting fixtures construction standards, will be respected. Verify the protection against accidental contacts.

We can supply this series of items also with the shape of the bracket made as per customer request. Feasibility to be discussed with our technical dept.

- Porcelain body.
Cable clamps in nickel-plated brass.
Tighten of the power cable by M5 grub-screw.
Clamping of the fork-terminal by wing-nut M5 and conical washer.
Support bracket in stainless steel.
Safety retaining lamp spring in stainless steel.
- Weight of the support pair: 400 g.
- D: fixing distance of the support pair on rigid structures:
 - 201,0 mm for lamps L = 187 mm (1000W-2000W)
 - 289,0 mm for lamps L = 275 mm (2000W).
- Instructions to fix the support pair on structures.



- Fixing of the support pair by M5 screws, to be inserted in the fixing holes, center distance 50÷64 mm.

A45A

2001

CE

Clamps support for lamps with cap:

Rated voltage:
Rated current:
Working temperature:
Type of clamps
to connect the cables:
Clamps connecting
capacity:
Connected cables
working temperature:
Overvoltage category:

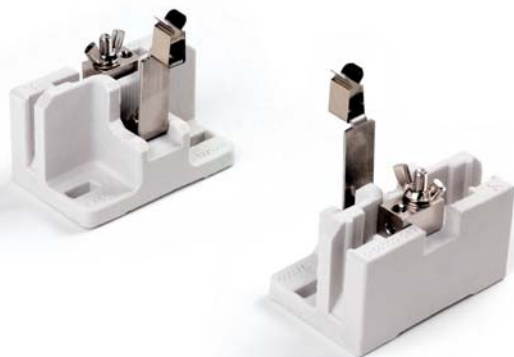
K12s

500 V
12 A
T 280°C

SCREW CLAMP

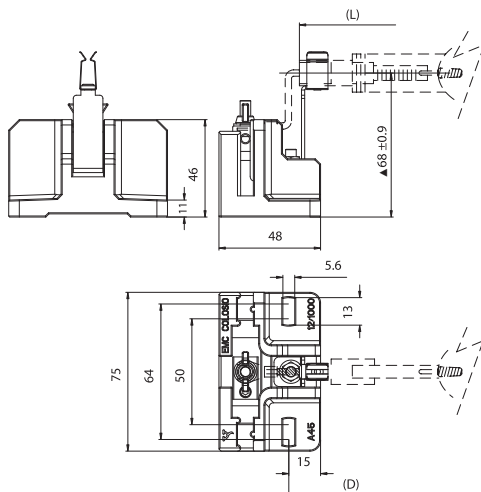
1.50 ÷ 4.00 mm²

T 180° ÷ 250° C
III



Connecting cables to the clamps:

Insulation	T In °C	Conduct.	Available sections and tensions			
			Pulse kV	1,50 mm ²	2,50 mm ²	4,00 mm ²
Oversize silicone <i>Single insulation</i>	180	CuSn	10kV	•	•	
Oversize silicone <i>Single insulation</i>	180	CuSn	5kV	•	•	
Silicone+Silicone <i>Single insulation</i>	180	CuSn	5kV	•	•	
Oversize PTFE <i>Single insulation</i>	250	CuNi	5kV	•	•	
Oversize PTFE +PFA <i>Double insulation</i>	250	CuNi	5kV	•	•	



▲ Focus point of the lamp

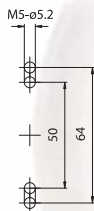


CERAMIC SUPPORT FOR DISCHARGE LAMPS

Attention: this clamp support has uncovered parts under tension. During the project verify that surface and air distance prescribed by lighting fixtures construction standards, will be respected. Verify the protection against accidental contacts.

We can supply this series of items also with the shape of the bracket made as per customer request. Feasibility to be discussed with our technical dept.

- Porcelain body.
Cable clamps in nickel-plated brass.
Tighten of the power cable by M5 grub-screw.
Clamping of the fork-terminal by wing-nut M5 and conical washer.
Support bracket in stainless steel.
Safety retaining lamp spring in stainless steel.
- Weight of the support pair: 620 g.
- D: fixing distance of the support pair on rigid structures:
 - 239,0 mm for lamps L = 187 mm (1000W-2000W)
 - 327,0 mm for lamps L = 275 mm (2000W).
- Instructions to fix the support pair on structures.



- Fixing of the support pair by M5 screws, to be inserted in the fixing holes, center distance 50÷64 mm.

A45AL

2001

CE

Clamps support for lamps with cap:

Rated voltage:
Rated current:
Working temperature:
Type of clamps
to connect the cables:
Clamps connecting
capacity:
Connected cables
working temperature:
Overvoltage category:

K12s

500 V
12 A
T 280°C

SCREW CLAMP

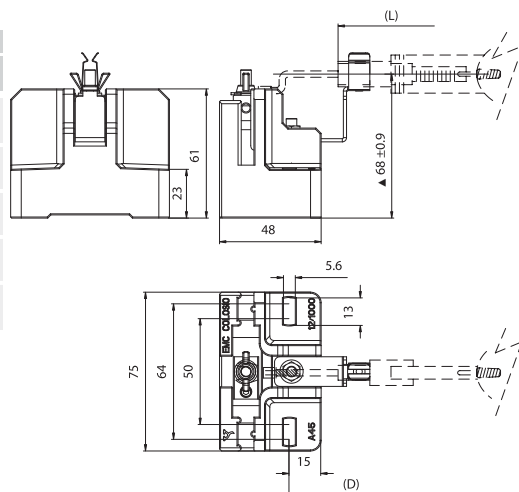
1.50 ÷ 4.00 mm²

T 180° ÷ 250° C
III



Connecting cables to the clamps:

Insulation	T In °C	Conduct.	Available sections and tensions			
			Pulse kV	1,50 mm ²	2,50 mm ²	4,00 mm ²
Oversize silicone <i>Single insulation</i>	180	CuSn	10kV	•	•	
Oversize silicone <i>Single insulation</i>	180	CuSn	5kV	•	•	
Silicone+Silicone <i>Single insulation</i>	180	CuSn	5kV	•	•	
Oversize PTFE <i>Single insulation</i>	250	CuNi	5kV	•	•	
Oversize PTFE +PFA <i>Double insulation</i>	250	CuNi	5kV	•	•	



▲ Focus point of the lamp

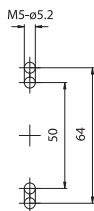


CERAMIC SUPPORT FOR DISCHARGE LAMPS

Attention: this clamp support has uncovered parts under tension. During the project verify that surface and air distance prescribed by lighting fixtures construction standards, will be respected. Verify the protection against accidental contacts.

We can supply this series of items also with the shape of the bracket made as per customer request. Feasibility to be discussed with our technical dept.

- Porcelain body.
Cable clamps in nickel-plated brass with milling for the positioning of the wire of the lamp.
Tighten of the power cable by M5 grub-screw.
Clamping of the wire of the lamp by wing-nut M5, conical washer and round washer.
Support bracket in stainless steel.
Safety retaining lamp spring in stainless steel.
- Weight of the support pair: 620 g.
- D: fixing distance of the support pair on rigid structures:
 - 305 mm for lamps L = 290 mm (1000W)
 - 365 mm for lamps L = 355 mm (2000W)
- Instructions to fix the support pair on structures.



- Fixing of the support pair by M5 screws, to be inserted in the fixing holes, center distance 50÷64 mm.

A45B-FR 2004



Clamps support for lamps type:

Rated voltage:
Rated current:
Working temperature:
Type of clamps
to connect the cables:
Clamps connecting
capacity:
Connected cables
working temperature:
Overvoltage category:

Philips® MHN-FC 1000W-2000W

500 V
12 A
T 280°C

SCREW CLAMP

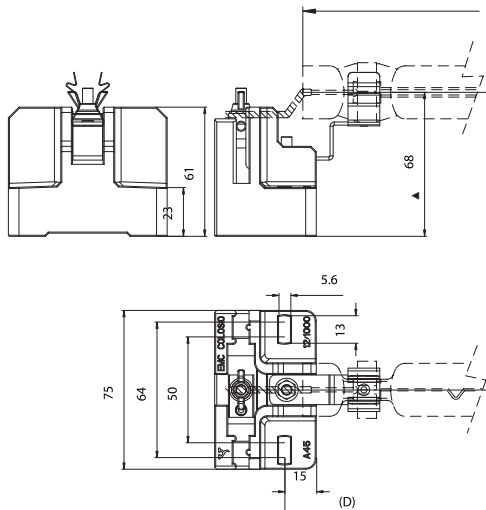
1.50 ÷ 4.00 mm²

T 180° ÷ 250° C
III



Connecting cables to the clamps:

Insulation	T In °C	Conduct.	Available sections and tensions			
			Pulse kV	1,50 mm²	2,50 mm²	4,00 mm²
Oversize silicone <i>Single insulation</i>	180	CuSn	10kV	•	•	
Oversize silicone <i>Single insulation</i>	180	CuSn	5kV	•	•	
Silicone+Silicone <i>Single insulation</i>	180	CuSn	5kV	•	•	
Oversize PTFE <i>Single insulation</i>	250	CuNi	5kV	•	•	
Oversize PTFE +PFA <i>Double insulation</i>	250	CuNi	5kV	•	•	



▲ Focus point of the lamp

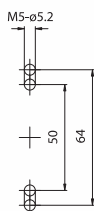


CERAMIC SUPPORT FOR DISCHARGE LAMPS

Attention: this clamp support has uncovered parts under tension. During the project verify that surface and air distance prescribed by lighting fixtures construction standards, will be respected. Verify the protection against accidental contacts.

We can supply this series of items also with the shape of the bracket made as per customer request. Feasibility to be discussed with our technical dept.

- Porcelain body.
Cable clamps in nickel-plated brass.
Tighten of the power cable by M5 grub-screw.
Clamping of the fork-terminal by wing-nut M5 and conical washer.
Support bracket in stainless steel.
Safety retaining lamp spring in stainless steel.
- Weight of the support pair: 620 g.
- D: fixing distance of the support pair on rigid structures:
 - 300,0 mm for lamps L = 295 mm (1000W)
- Instructions to fix the support pair on structures.



- Fixing of the support pair by M5 screws, to be inserted in the fixing holes, center distance 50÷64 mm.

A45B

2001

CE

Clamps support for lamps type:

Rated voltage:
Rated current:
Working temperature:
Type of clamps
to connect the cables:
Clamps connecting
capacity:
Connected cables
working temperature:
Overvoltage category:

Philips® MHN-LA 1000W

500 V
12 A
T 280°C

SCREW CLAMP

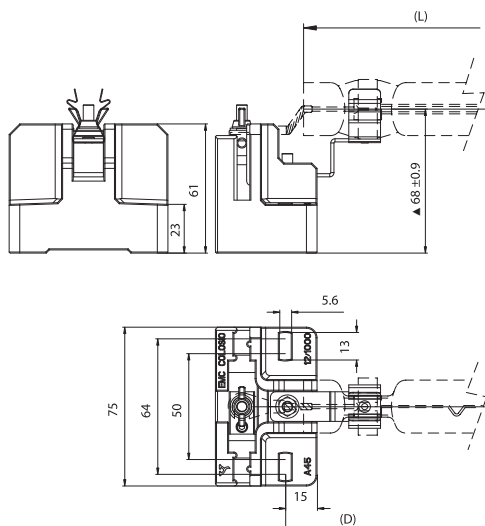
1.50 ÷ 4.00 mm²

T 180° ÷ 250° C
III



Connecting cables to the clamps:

Insulation	T In °C	Conduct.	Available sections and tensions			
			Pulse kV	1,50 mm ²	2,50 mm ²	4,00 mm ²
Oversize silicone Single insulation	180	CuSn	10kV	•	•	
Oversize silicone Single insulation	180	CuSn	5kV	•	•	
Silicone+Silicone Single insulation	180	CuSn	5kV	•	•	
Oversize PTFE Single insulation	250	CuNi	5kV	•	•	
Oversize PTFE +PFA Double insulation	250	CuNi	5kV	•	•	



▲ Focus point of the lamp

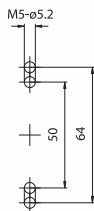


CERAMIC SUPPORT FOR DISCHARGE LAMPS

Attention: this clamp support has uncovered parts under tension. During the project verify that surface and air distance prescribed by lighting fixtures construction standards, will be respected. Verify the protection against accidental contacts.

We can supply this series of items also with the shape of the bracket made as per customer request. Feasibility to be discussed with our technical dept.

- Porcelain body.
Cable clamps in nickel-plated brass.
Tighten of the power cable by M5 grub-screw.
Clamping of the fork-terminal by wing-nut M5 and conical washer.
Support bracket in stainless steel.
Safety retaining lamp spring in stainless steel.
- Weight of the support pair: 400 g.
- D: fixing distance of the support pair on rigid structures:
- 386,0 mm for lamps L = 365 mm (2000W)
- Instructions to fix the support pair on structures.



- Fixing of the support pair by M5 screws, to be inserted in the fixing holes, center distance 50÷64 mm.

A45C

2001

CE

Clamps support for lamps type:

Rated voltage:
Rated current:
Working temperature:
Type of clamps
to connect the cables:
Clamps connecting
capacity:
Connected cables
working temperature:
Overvoltage category:

Philips® MHN-LA 2000W

500 V
12 A
T 280°C

SCREW CLAMP

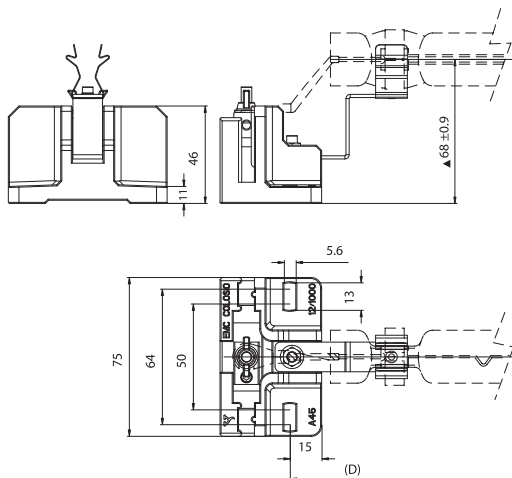
1.50 ÷ 4.00 mm²

T 180° ÷ 250° C
III



Connecting cables to the clamps:

Insulation	T In °C	Conduct.	Available sections and tensions			
			Pulse kV	1,50 mm²	2,50 mm²	4,00 mm²
Oversize silicone <i>Single insulation</i>	180	CuSn	10kV	•	•	
Oversize silicone <i>Single insulation</i>	180	CuSn	5kV	•	•	
Silicone+Silicone <i>Single insulation</i>	180	CuSn	5kV	•	•	
Oversize PTFE <i>Single insulation</i>	250	CuNi	5kV	•	•	
Oversize PTFE +PFA <i>Double insulation</i>	250	CuNi	5kV	•	•	



▲ Focus point of the lamp



SECTION 4

LAMPHOLDERS E11:

Art. **P03** *page 409*

LAMPHOLDERS E12:

Art. **P01R** *page 405*

Art. **P03R** *page 407*

LAMPHOLDERS E17:

Art. **P03E** *page 411*

LAMPHOLDERS E14:

Art. **P05** *page 415*

Art. **P125** *page 421*

LAMPHOLDERS E26:

Art. **P10M** *page 422*

Art. **P113M** *page 432*

LAMPHOLDERS E27:

Art. **P10** *page 423*

Art. **P10 750V** *page 425*

Art. **P113** *page 433*

Art. **P120** *page 431*

Art. **P15 - P15A** *page 435*

LAMPHOLDERS E40:

Art. **P25** *page 437*

Art. **P27** *page 441*

ACCESSORIES: *page 442*



EDISON SCREW LAMPHOLDERS



EDISON SCREW LAMPHOLDERS

P01R



Note: to tighten the clamps screws, use a screwdriver with a slot max diameter 3,5 mm.

- Porcelain body.
Cap-side-contact in nickel-plated brass.
Central contact in nickel-plated brass.
Pressure spring in normalized stainless steel.
Brass Clamps with slot screws not completely tightened.
- Weight of the lampholder in standard execution (with cables L = 25 cm): 35 g.

- Instructions to fix the lampholder on structures.



- Fixing of the lampholder using the holes diameter 3,5 mm with center distance 18 mm (if M3 screws are used, the head diameter should be less than 5,5 mm).

Lampholder:	E12
Maximum power:	75 W
Rated voltage:	125 V
Working temperature:	T 250°C
Type of clamps for cables connection:	SCREW CLAMPS
Clamps connecting capacity:	18 AWG
In conformity to the standards:	UL 496
Approval marks:	cULus

Attention: connect the line cable, usually the black one, to the central contact clamp and the neutral cable, usually the white one, to the lateral contact clamp.

Single-conductor connecting cables, polarized white and black, which could be connected to the lampholder (if flexible, arranged with crimped end-terminals l= 6 mm or stripped and tinned 6 mm; if solid, stripped 6 mm)

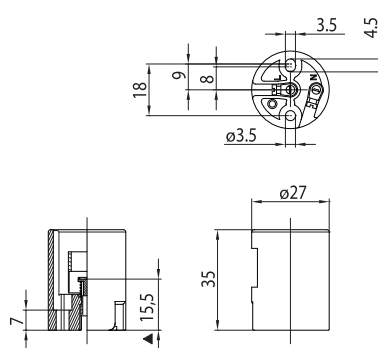
Insulation	T in °C	Conduct.	Available voltages and AWG		
			300V	600V	18AWG
Silicone Single insulation	200	CuSn		•	•
Silicone+glass-braid Single insulation	200	CuSn		•	•
FEP Single insulation	200	CuNi	•	•	•
FEP+FEP Double insulation	200	CuNi	•		•
PTFE Single insulation	250	CuNi	•	•	•
PTFE+PFA Double insulation	250	CuNi	•		•

- The accessories available are listed at the end of this section.



P01R

2006



▲ Central contact distance

EDISON SCREW LAMPHOLDERS

P03R



Attention: cap is under tension, therefore the lampholder has connected polarized cables: the black cable (line) is connected to the central contact; the white cable (neutral) is connected to the cap.

- Porcelain body.
Cap-side-contact in nickel-plated brass.
Central contact in nickel-plated brass.
Pressure spring in normalized stainless steel.
- Weight of the lampholder in standard execution
(with cables L = 25 cm): 35 g.

- Instructions to fix the lampholder on structures.



- Fixing of the lampholder using the holes diameter 3,5 mm with center distance 18 mm (if M3 screws are used, the head diameter should be less than 5,5 mm).

Lampholder:	E12
Maximum power:	75 W
Rated voltage:	125 V
Working temperature:	T 250°C
Connected cables working temperature:	T 105°÷ 250°C
In conformity to the standards:	UL 496
Approval marks:	UL

Single-conductor flexible connecting cables, polarised white and black, crimped to the lampholder:

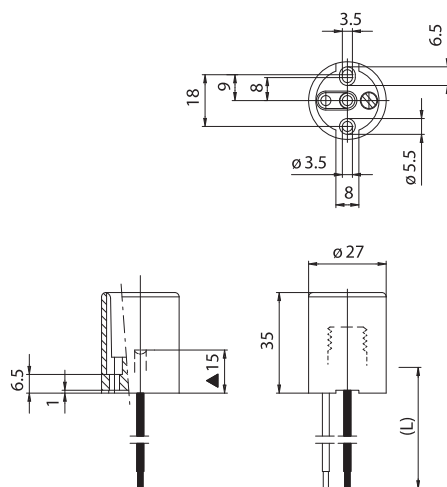
Insulation	T in °C	Conduct.	Available voltages and AWG		
			300V	600V	18AWG
Silicone Single insulation	200	CuSn		•	•
Silicone+glass-braid Single insulation	200	CuSn		•	•
FEP Single insulation	200	CuNi	•	•	•
FEP+FEP Double insulation	200	CuNi	•		•
PTFE Single insulation	250	CuNi	•	•	•
PTFE+PFA Double insulation	250	CuNi	•		•

- The accessories available are listed at the end of this section.



P03R

1985



▲ Central contact distance



EDISON SCREW LAMPHOLDERS

P03

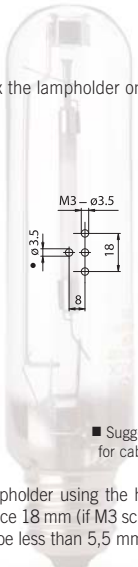


Attention: cap is under tension, therefore the lampholder has connected polarized cables: the black cable (line) is connected to the central contact; the white cable (neutral) is connected to the cap.

Lampholder:	E11
Rated current:	2 A
Rated voltage:	250 V
Working temperature:	T 250°C
Connected cables working temperature:	T 105°± 250°C
In conformity to the standards:	UL 496
Approval marks:	UL

- Porcelain body.
Cap-side-contact in nickel-plated brass.
Central contact in nickel-plated brass.
Pressure spring in normalized stainless steel.
- Weight of the lampholder in standard execution (with cables L = 25 cm): 35 g.

- Instructions to fix the lampholder on structures.



Single-conductor flexible connecting cables, polarised white and black, crimped to the lampholder:

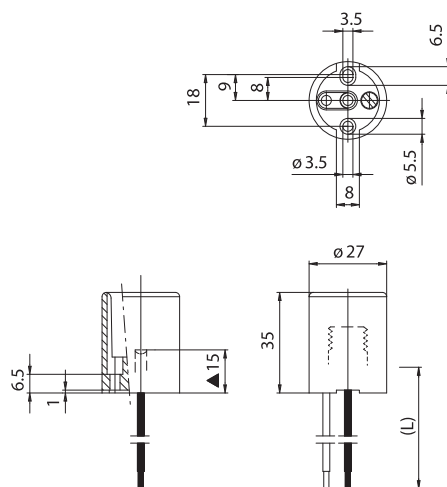
Insulation	T in °C	Conduct.	Available voltages and AWG		
			300V	600V	18AWG
Silicone Single insulation	200	CuSn		•	•
Silicone+glass-braid Single insulation	200	CuSn		•	•
FEP Single insulation	200	CuNi	•	•	•
FEP+FEP Double insulation	200	CuNi	•		•
PTFE Single insulation	250	CuNi	•	•	•
PTFE+PFA Double insulation	250	CuNi	•		•

- Fixing of the lampholder using the holes diameter 3,5 mm with center distance 18 mm (if M3 screws are used, the head diameter should be less than 5,5 mm).
- The accessories available are listed at the end of this section.



P03

1985

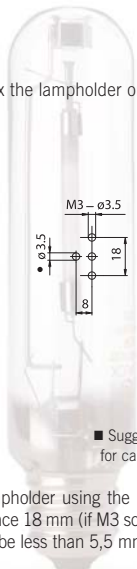


▲ Central contact distance

P03E

Attention: cap is under tension, therefore the lampholder has connected polarized cables: the black cable (line) is connected to the central contact; the white cable (neutral) is connected to the cap.

- Porcelain body.
Cap-side-contact in nickel-plated brass.
Central contact in nickel-plated brass.
Pressure spring in normalized stainless steel.
- Weight of the lampholder in standard execution
(with cables L = 25 cm): 35 g.



- Instructions to fix the lampholder on structures.

- Fixing of the lampholder using the holes diameter 3,5 mm with center distance 18 mm (if M3 screws are used, the head diameter should be less than 5,5 mm).

Lampholder:	E17
Rated current:	2 A
Rated voltage:	250 V
Working temperature:	T 250°C
Connected cables working temperature:	T 105°÷ 250°C
In conformity to the standards:	UL 496

Approval marks:

Single-conductor flexible connecting cables, polarised white and black, crimped to the lampholder:

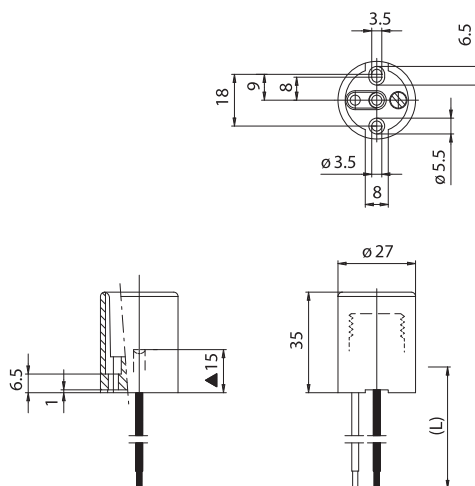
Insulation	T in °C	Conduct.	Available voltages and AWG		
			300V	600V	18AWG
Silicone Single insulation	200	CuSn		•	•
Silicone+glass-braid Single insulation	200	CuSn		•	•
FEP Single insulation	200	CuNi	•	•	•
FEP+FEP Double insulation	200	CuNi	•		•
PTFE Single insulation	250	CuNi	•	•	•
PTFE+PFA Double insulation	250	CuNi	•		•

- The accessories available are listed at the end of this section.



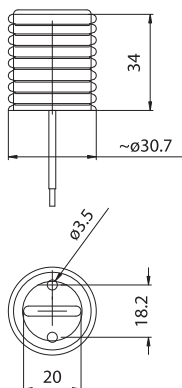
P03E

1985



▲ Central contact distance

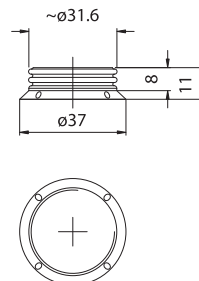
435/34



435/34: case, in white zinc-plated iron, with round thread, external diameter 30,7 mm, height 34 mm.

- Weight: 10 g.

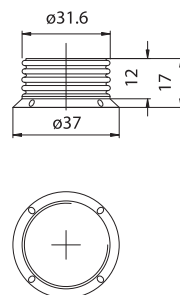
435F/11



435F/11: ring-nut, in white zinc-plated iron, with round thread, external diameter 31,6 mm, height 11 mm, for case 435-.

- Weight: 2,2 g.

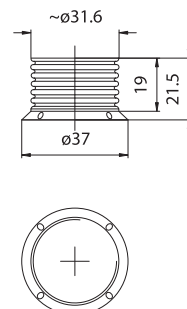
435F/15



435F/15: ring-nut, in white zinc-plated iron, with thread, external diameter 31,6 mm, height 15 mm, for case 435-.

- Weight: 2,2 g.

435F/22



435F/22: ring-nut, in white zinc-plated iron, with round thread, external diameter 31,6 mm, height 22 mm, for case 435-.

- Weight: 2,3 g.

EDISON SCREW LAMPHOLDERS

Note: to tighten the clamps screws, use a screwdriver with a slot max diameter 3,5 mm.

- Porcelain body.
Contacts in special alloy.
Brass clamps with slot screw not completely tightened.
Cap in zinc or nickel-plated copper.
- Weight: 35 g.

- Instructions to fix the lampholder on structures.



- Fixing of the lampholder using the holes diameter 3,2 mm with center distance 18 mm.

P05

1984



Lampholder:

Rated voltage:
Rated current:
Working temperature:
Type of clamps for
cables connection:
Clamps connecting capacity:
Overvoltage category:
Protection degree (IP):
In conformity to the standards:
In conformity to the requirements
of the directive:

E14

250 V

2 A

T 210°C

SCREW CLAMPS

0,50" ± 1,00 mm²

III

IP20

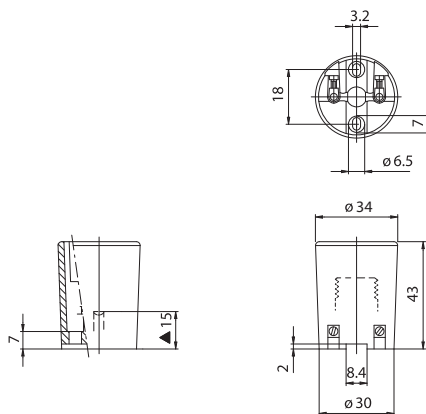
EN 60238

2006/95/EC

Approval marks:

ENEC 03

CQC



- The accessories available are listed at the end of this section.

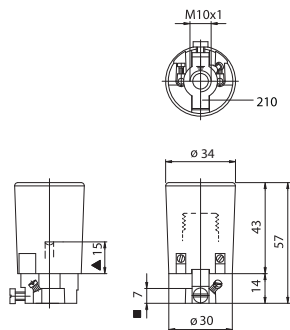
▲ Central contact distance



P05H



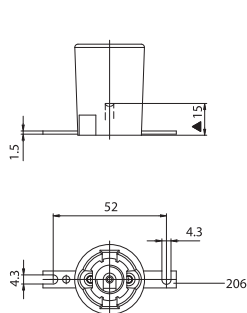
P05D



▲ Central contact distance ■ Depth of thread

P05H: P05 lampholder assembled with adapter in white-zinc-plated zamak 16 mm height, with threaded hole M10 x1, with screws for nipple-block and for the ground cable (art. 210).

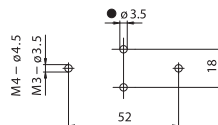
- Weight: 60 g.



▲ Central contact distance

P05D: P05 lampholder assembled with white-zinc-plated iron fixing plate bracket, with slotted holes diameter 4,3 mm with center distance 52 mm (art. 216).

- Weight: 50 g.
- Instructions to fix the lampholder on structures.



● Suggested minimum dimension for cables passage (if necessary)

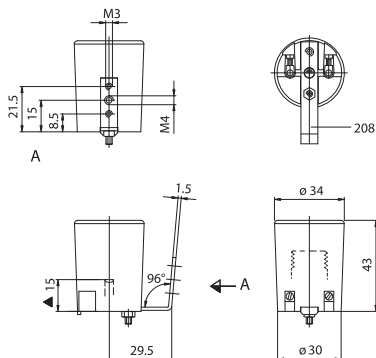
- Fixing of the lampholder by M10 x1 nipples.

- Fixing of the lampholder using M3 screws, to be inserted in the slotted holes with center distance 52 mm.

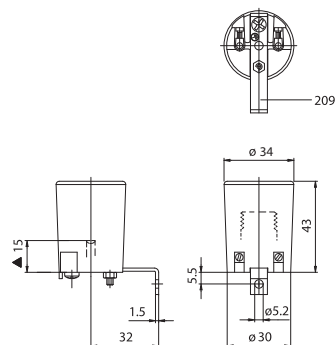
P05V



P05B



▲ Central contact distance



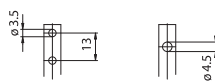
▲ Central contact distance

P05V: P05 lampholder assembled with 96° white-zinc-plated iron fixing bracket, with two threaded holes M3 and one M4 (art. 208).

P05B: P05 lampholder assembled 90° with white-zinc-plated iron fixing bracket, with hole diameter 5,2 mm, and screw for the ground cable (art. 209).

- Weight: 50 g.
- Instructions to fix the lampholder on structures.

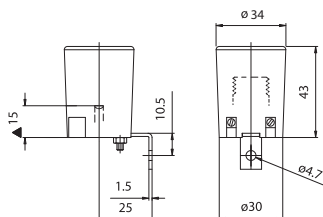
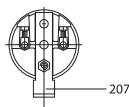
- Weight: 50 g.
- Instructions to fix the lampholder on structures.



- Fixing of the lampholder by screws, to be tightened on the chosen threaded holes.

- Fixing of the lampholder by screws M4, to be inserted in the bracket hole.

P05C



▲ Central contact distance

P05C: P05 lampholder assembled with 90° white-zinc-plated iron fixing bracket, with hole diameter 4,2 mm (art. 207).

- Weight: 50 g.
- Instructions to fix the lampholder on structures.



- Fixing of the lampholder by screws M4, to be inserted in the bracket slot.



EDISON SCREW LAMPHOLDERS

The earth clamp is on the base with the contacts and not on the external envelope. This solution has the advantage to spare time in the wiring process of the lampholder.

The lampholder is supplied in three unassembled parts.

Note: to tighten the clamps screws, use a screwdriver with a slot max diameter 3,5 mm.

This lampholder is not manufactured by E.M.C. Colosio.

- Zinc-plated or nickel-plated external envelope with round thread 28 x2 mm.
Zinc-plated or nickel-plated back cap with threaded hole M10 x1 arranged with screws for nipple-block.
Base with contacts in thermosetting polyester with earth clamp.
Nickel-plated contacts in special alloy.
Brass clamps with slot screws not completely tightened.
Cap in thermosetting polyester.

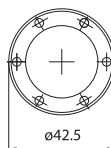
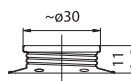
- Weight: 41 g.



476ZB: white zinc-plated iron ring-nut with round thread 28 x2 mm, height 11 mm, with flange diameter 42,5 mm.

476NI: 476 ring-nut in nickel-plated iron.

4760T: 476 ring-nut in brass-plated iron.



- Fixing of the lampholder by M10 x1 nipples.



P125

CE

Lampholder:

E14

Rated voltage:

250 V

Rated current:

2 A

Working temperature:

T 230°C

Type of clamps for

cables connection:

SCREW CLAMPS

Clamps connecting capacity:

0,50 ÷ 2,50 mm²

Overvoltage category:

III

Protection degree (IP):

IP20

In conformity to the standards:

EN 60238

In conformity to the requirements
of the directive:

2006/95/EC

Approval marks:

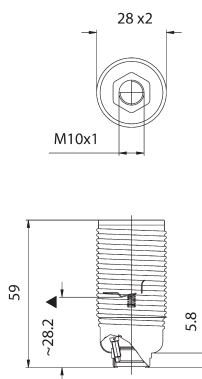
ENEC 03



P125ZB: P125 lampholder with white zinc-plated envelope.

P125NI: P125 lampholder with nickel-plated envelope.

P1250T: P125 lampholder with brass-plated envelope.



▲ Central contact distance



P10

CE

Lampholder:

Rated voltage:
Rated current:
Working temperature:
Type of clamps for
cables connection:
Clamps connecting capacity:
Overvoltage category:
Protection degree (IP):
In conformity to the standards:
In conformity to the requirements
of the directive:

E27

500 V

4 A

T 270°C

SCREW CLAMPS

0,50 ÷ 1,00 mm²

III

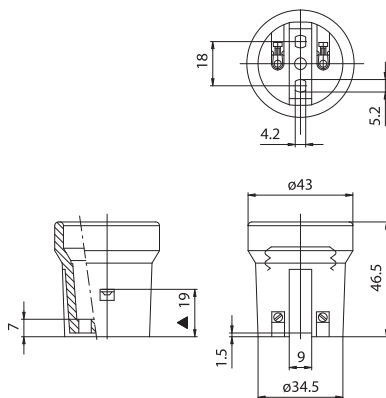
IP20

EN 60238

2006/95/EC

Approval marks:

ENEC 03



- The accessories available are listed at the end of this section.

▲ Central contact distance



EDISON SCREW LAMPHOLDERS

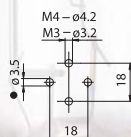
Note: to tighten the clamps screws, use a screwdriver with a slot max diameter 3,5 mm.

This lampholder is not manufactured by E.M.C. Colosio.

- Porcelain body.
Phosphorous bronze contacts.
Central contact pressure spring in normalized stainless steel.
Brass clamps with slot screws not completely tightened.
Cap in nickel-plated iron.

- Weight: 60 g.

- Instructions to fix the lampholder on structures.



■ Suggested minimum dimension
for cables passage (if necessary)

- Fixing of the lampholder using the holes diameter 3,2 mm
with center distance 18 mm.



P10 750V



Lampholder:

E27

Rated voltage:

500 V

Impulse voltage:

5 kV

Rated current:

4 A

Working temperature:

T 210°C

Type of clamps for

cables connection:

SCREW CLAMPS

Clamps connecting capacity:

0,50 ÷ 1,00 mm²

Overvoltage category:

III

Protection degree (IP):

IP20

In conformity to the standards:

EN 60238

In conformity to the requirements
of the directive:

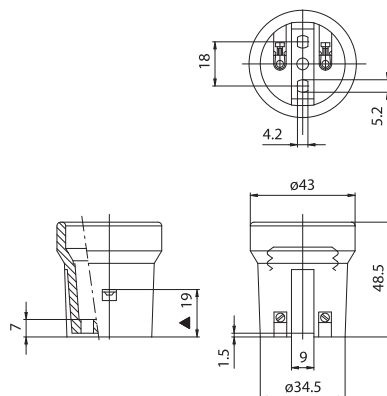
2006/95/EC

Approval marks:

ENEC 10



P10 750VA: P10 750V lampholder with anti-vibrations
device.



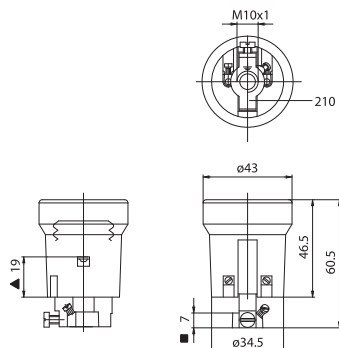
- The accessories available are listed at the end of this section.

▲ Central contact distance

P10H

CE P10D

CE



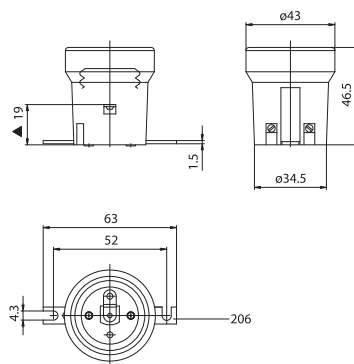
▲ Central contact distance ■ Depth of thread

P10H: P10 lampholder assembled with adapter in white-zinc-plated zamak 16 mm height, with threaded hole M10 x1, with screws for nipple-block and for the ground cable (art. 210).

P10MH: lampholder as P10H with E26 cap.

- Weight: 80 g.

- Fixing of the lampholder by M10 x1 nipples.

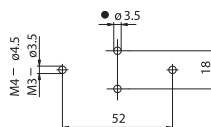


▲ Central contact distance

P10D: P10 lampholder assembled with white-zinc-plated iron fixing plate bracket, with slotted holes diameter 4,3 mm with center distance 52 mm (art. 216).

P10MD: lampholder as P10D with E26 cap.

- Weight: 65 g.
- Instructions to fix the lampholder on structures.



● Suggested minimum dimension for cables passage (if necessary)

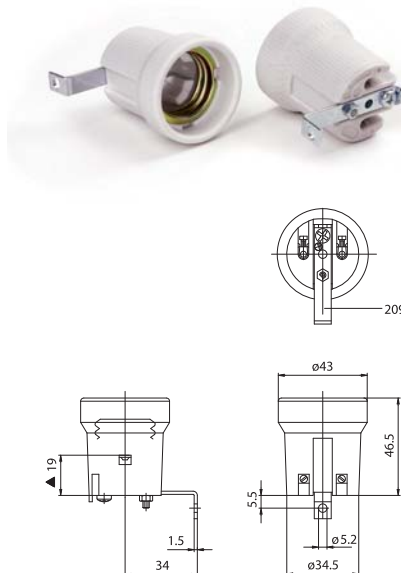
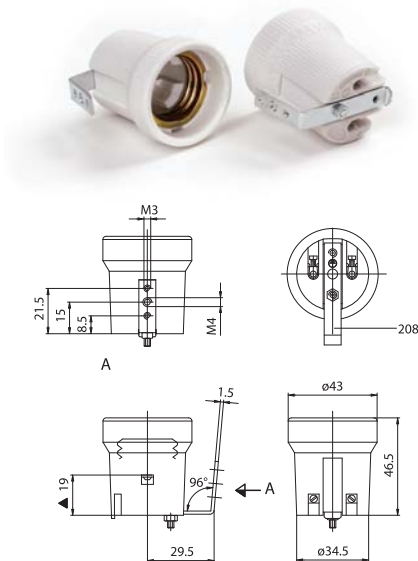
- Fixing of the lampholder using M3 screws, to be inserted in the slotted holes with center distance 52 mm.

P10V

CE

P10B

CE



▲ Central contact distance

P10V: P10 lampholder assembled with 96° white-zinc-plated iron fixing bracket, with two threaded holes M3 and one M4 (art. 208).

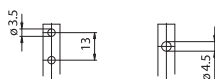
P10B: P10 lampholder assembled with 90° white-zinc-plated iron fixing bracket, with hole diameter 5,2 mm, and screw for the ground cable (art. 209).

P10MV: lampholder as P10V with E26 cap.

P10MB: lampholder as P10B with E26 cap.

- Weight: 70 g.
- Instructions to fix the lampholder on structures.

- Weight: 70 g.
- Instructions to fix the lampholder on structures.



- Fixing of the lampholder by screws, to be tightened on the chosen threaded holes.

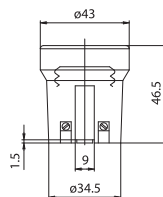
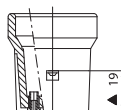
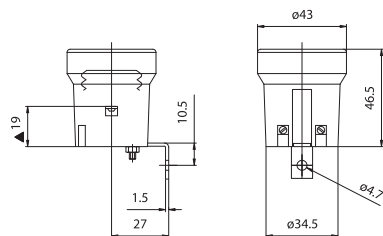
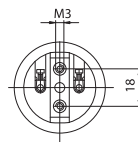
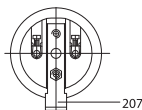
- Fixing of the lampholder by screws M4, to be inserted in the bracket hole.

P10C

CE

P10F

CE



▲ Central contact distance

▲ Central contact distance

P10C: P10 lampholder assembled with 90° white-zinc-plated iron fixing bracket, with hole diameter 4,2 mm (art. 207).

- Weight: 65 g.

P10MC: lampholder as P10C with E26 cap.

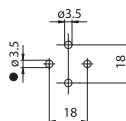
- Instructions to fix the lampholder on structures.



P10F: P10 lampholder assembled with brass threaded bush M3 inserted in the fixing holes with center distance 18 mm (useful to fix the lampholder from the back side).

P10MF: lampholder as P10F with E26 cap.

- Weight: 60 g.
- Instructions to fix the lampholder on structures.



- Suggested minimum dimension for cables passage (if necessary)

- Fixing of the lampholder by screws M4, to be inserted in the bracket slot.



EDISON SCREW LAMPHOLDERS

The earth clamp is on the base with the contacts and not on the external envelope. This solution has the advantage to spare time in the wiring process of the lampholder.

The lampholder is supplied in three unassembled parts.

Note: to tighten the clamps screws, use a screwdriver with a slot max diameter 3,5 mm.

This lampholder is not manufactured by E.M.C. Colosio.

- Zinc-plated or nickel-plated external envelope with round thread 40 x2,5 mm.
Zinc-plated or nickel-plated back cap with threaded hole M10 x1 arranged with screws for nipple-block.
Base with contacts in thermosetting polyester with earth clamp.
Nickel-plated contacts in special alloy.
Brass clamps with slot screws not completely tightened.
Cap thermosetting polyester.

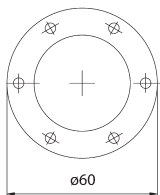
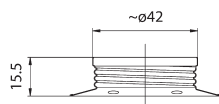
- Weight: 70 g.



475ZB: white zinc-plated iron ring-nut with round thread 40 x2,5 mm, height 15,5 mm, with flange diameter 60 mm.

475NI: 475 ring-nut in nickel-plated iron.

4750T: 475 ring-nut in brass-plated iron.



- Fixing of the lampholder by M10 x1 nipples.



P120

CE

Lampholder:

Rated voltage:
Rated current:
Working temperature:
Type of clamps for
cables connection:
Clamps connecting capacity:
Overvoltage category:
Protection degree (IP):
In conformity to the standards:
In conformity to the requirements
of the directive:

E27

250 V
4 A
T 230°C

SCREW CLAMPS
0,50 ÷ 2,50 mm²
III
IP20
EN 60238

2006/95/EC

Approval marks:

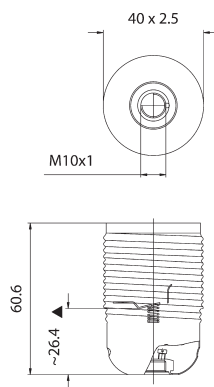
ENEC 03



P120ZB: P120 lampholder with white zinc-plated envelope.

P120NI: P120 lampholder with nickel-plated envelope.

P1200T: P120 lampholder with brass-plated envelope.



▲ Central contact distance



EDISON SCREW LAMPHOLDERS

P113M



Note 1: to tighten the clamps screws, use a screwdriver with a slot max diameter 3,5 mm.

Note 2: the lampholder P113M, in the cULus version, shall be connected with the following cables:

- flexible conductor with end-terminals length 6 mm,
- flexible conductor stripped 6 mm with tinning,
- solid conductor stripped 6 mm.

- Porcelain body in three parts with nipple, screw for nipple-block and device to avoid the un-screwing of the three parts, once assembled.
Nickel-plated brass contacts.
Central contact pressure spring in normalized stainless steel.
Brass clamps with slot screws.
Cap in zinc-plated or raw brass.

- Weight: 115 g.

Lampholder:

Maximum power:
Rated voltage:
Working temperature:
Type of clamps for
cables connection:
Clamps connecting capacity:
In conformity to the standards:

E26

660 W
250 V
T 250°C

SCREW CLAMPS
18 AWG
UL 496
CSA 22.2 N.43

Approval marks:

cULus

Attention: connect the line cable, usually the black one, to the central contact clamp (L) and the neutral cable, usually the white one, to the lateral contact clamp (N).

Single-conductor connecting cables, polarized white and black, which could be connected to the lampholder (if flexible, arranged with crimped end-terminals l= 6 mm or stripped and tinned 6 mm; if solid, stripped 6 mm)

Insulation	T in °C	Conduct.	Available voltages and AWG		
			300V	600V	18AWG
Silicone Single insulation	200	CuSn		•	•
Silicone+glass-braid Single insulation	200	CuSn		•	•
FEP Single insulation	200	CuNi	•	•	•
FEP+FEP Double insulation	200	CuNi	•		•
PTFE Single insulation	250	CuNi	•	•	•
PTFE+PFA Double insulation	250	CuNi	•		•

- Fixing of the lampholder:
For versions P113- and P113T-, fixing by M10 x1 nipples.
For versions P114, fixing by M13 x1 nipples.
For versions P115, fixing by 3/8" nipples.



P113-

P114

P115



Lampholder:

Rated voltage:
Rated current:
Working temperature:
Type of clamps for
cables connection:
Clamps connecting capacity:
Overvoltage category:
Protection degree (IP):
In conformity to the standards:
In conformity to the requirements
of the directive:

Approval marks:

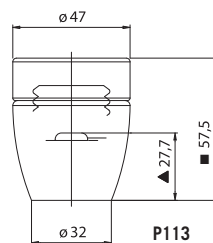
E27

250 V
4 A
T 220°C

SCREW CLAMPS
0,75 ÷ 1,00 mm²
III
IP20
EN 60838

2006/95/EC

ENEC 10
CQC (only for the art. P113 and P113T)



P113: version with nipple M10 x1
without earth clamp.

P113T: version with nipple M10 x1
with earth clamp.

P114: version with nipple M13 x1
with earth clamp.

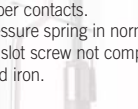
P115: version with nipple 3/8"
with earth clamp.

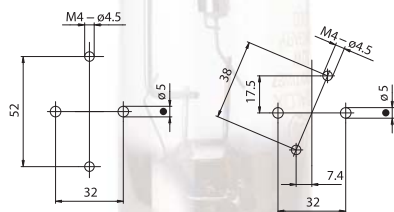
- For P113, nipple M10 x1, height 57,5 mm, and central contact distance 27,7 mm.
- For P113T nipple M10 x1, height 62,5 mm, and central contact distance 32,5 mm.
- For P114 nipple M13 x1, height 62,5 mm, and central contact distance 32,5 mm.
- For P115 nipple 3/8", height 62,5 mm, and central contact distance 32,5 mm.
- ▲ Central contact distance.



EDISON SCREW LAMPHOLDERS

Note: to tighten the clamps screws, use a screwdriver with a slot max diameter 3.5 mm.

- Porcelain body.
 - Nickel-plated copper contacts.
 - Central contact pressure spring in normalized stainless steel.
 - Brass clamps with slot screw not completely tightened.
 - Cap in nickel-plated iron.
 - Weight: 140 g.
- 



■ Suggested minimum dimension
for cables passage (if necessary)

- Fixing of the lampholder using the holes diameter 4,5 mm with center distance 52 mm or 38 mm.



P15-

1984

**Lampholder:****E27**

Rated voltage:

500 V

Impulse voltage:

5 kV

Rated current:

4 A

Working temperature:

T 210°C

Type of clamps for

cables connection:

SCREW CLAMPS

Clamps connecting capacity:

0,50 ÷ 1,00 mm²

Overvoltage category:

III

Protection degree (IP):

IP20

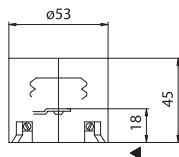
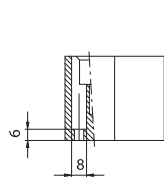
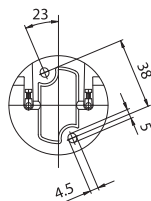
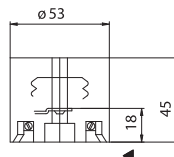
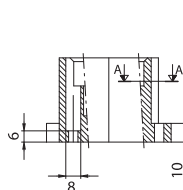
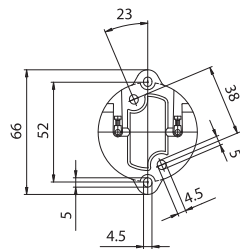
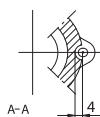
In conformity to the standards:

EN 60238In conformity to the requirements
of the directive:**2006/95/EC**

Approval marks:

ENEC 03**P15A:**lampholder with fixing center distance 52 mm
and 38 mm.**P15:**

lampholder with fixing center distance 38 mm.

P15**P15A**

- The accessories available are listed at the end of this section.

▲ Central contact distance



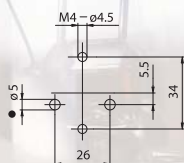
EDISON SCREW LAMPHOLDERS

Note: to tighten the clamps screws, use a screwdriver with a slot max diameter 4 mm.

- Porcelain body.
Cap-side contact in nickel-plated copper.
Central contact in nickel-plated copper.
Central contact pressure spring in normalized stainless steel.
Brass clamps with slot screw not completely tightened.

- Weight: 235 g.

- Instructions to fix the lampholder on structures.



■ Suggested minimum dimension for cables passage (if necessary)

- Fixing of the lampholder using the holes diameter 4,2 mm with center distance 34 mm.



P25

**Lampholder:****E40**

Rated voltage:

500 V

Impulse voltage:

5 kV

Rated current:

16 A

Working temperature:

T 300°C

Type of clamps for

cables connection:

SCREW CLAMPS

Clamps connecting capacity:

1,50 ÷ 4,00 mm²

Overvoltage category:

III

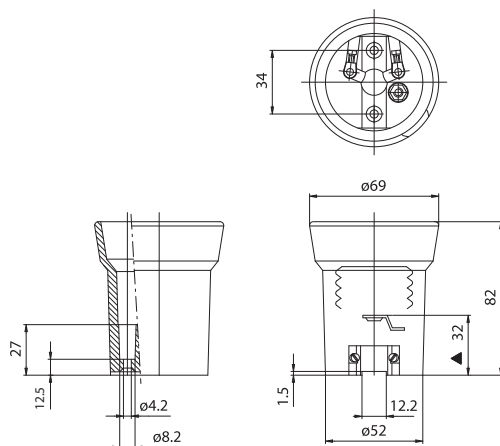
Protection degree (IP):

IP20

In conformity to the standards:

EN 60238In conformity to the requirements
of the directive:**2006/95/EC**

Approval marks:

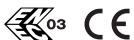
ENEC 03**P25A:** P25 lampholder with anti-vibrations device.

- The accessories available are listed at the end of this section.

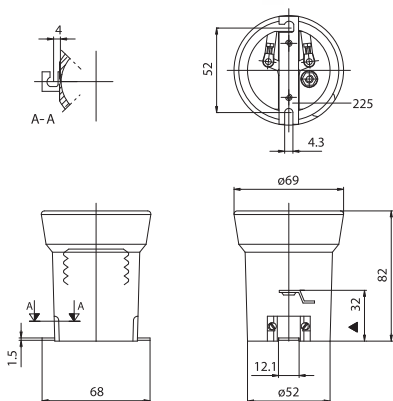
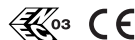
▲ Central contact distance



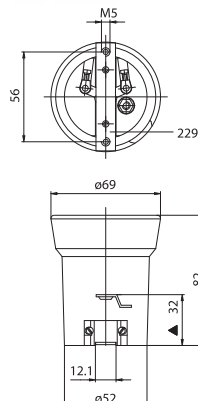
P25D



P25G



▲ Central contact distance

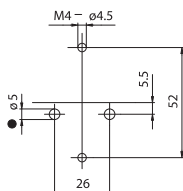


▲ Central contact distance

P25D: P25 lampholder assembled with white zinc-plated iron fixing plate bracket, with slotted holes diameter 4,2 mm with center distance 52 mm (art. 225).

P25AD: lampholder as P25D with anti-vibrations device.

- Weight: 245 g.
- Instructions to fix the lampholder on structures.



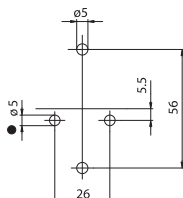
● Suggested minimum dimension for cables passage (if necessary)

- Fixing of the lampholder using M4 screws, to be inserted in the slotted holes with center distance 52 mm.

P25G: P25 lampholder assembled with white-zinc-plated iron fixing plate bracket, with threaded holes M5 with center distance 56,5 mm (art. 229).

P25AG: lampholder as P25G with anti-vibrations device.

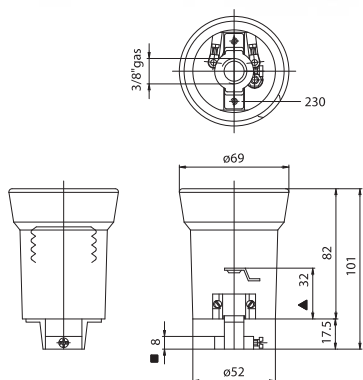
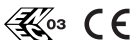
- Weight: 240 g.
- Instructions to fix the lampholder on structures.



● Suggested minimum dimension for cables passage (if necessary)

- Fixing of the lampholder using M5 screws, to be inserted in the threaded holes with center distance 56,5 mm.

P25H



▲ Central contact distance ■ Depth of thread

P25H: P25 lampholder assembled with adapter in white zinc-plated aluminium, 20 mm height, with threaded hole 3/8", with screws for nipple-block.

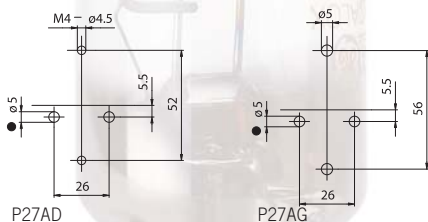
P25AH: lampholder as P25H with anti-vibrations device.

- Weight: 250 g.

- Fixing of the lampholder by 3/8" nipples.

EDISON SCREW LAMPHOLDERS

- Porcelain body.
Cap-side contact in nickel-plated copper with anti-vibrations device.
Central contact in nickel-plated copper.
Central contact pressure spring in normalized stainless steel.
Nickel-plated brass clamps with slot screw.
White-zinc plated iron fixing plate bracket, with slotted holes diameter 4,2 mm with center distance 52 mm, for the art. P25AD, with threaded holes M5 with center distance 56,5 mm, for the art. P25AG.
- Weight: 235 g.
- Instructions to fix the lampholder on structures.



- Suggested minimum dimension for cables passage (if necessary)
- Fixing of the lampholder P27AD using M4 screws to be inserted in the slotted holes with center distance 52 mm.
- Fixing of the lampholder P27AG using M5 screws to be inserted in the threaded holes with center distance 56,5 mm.

P27A-



Lampholder:

Rated voltage:
 Impulse voltage:
 Rated current:
 Working temperature:
 Type of clamps for
 cables connection:
 Clamps connecting capacity:
 Overvoltage category:
 Protection degree (IP):
 In conformity to the standards:
 In conformity to the requirements
 of the directive:

E40

500 V
5 kV
16 A
T 300°C

SCREW CLAMPS
1,50 ÷ 4,00 mm²
III
IP20
EN 60238

2006/95/EC

Approval marks:

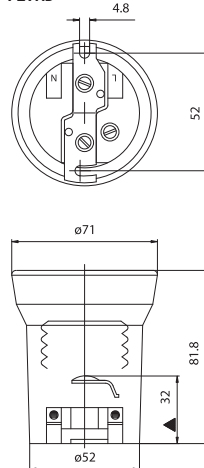
ENEC 03



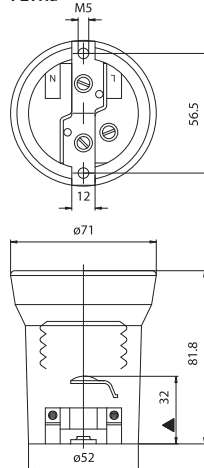
P27AD: P27 lampholder with anti-vibrations device and iron fixing plate bracket, with slotted holes diameter 4,2 mm with center distance 52 mm.

P27AG: P27 lampholder with anti-vibrations device and iron fixing plate bracket, with threaded holes M5 with center distance 56,5 mm.

P27AD



P27AG

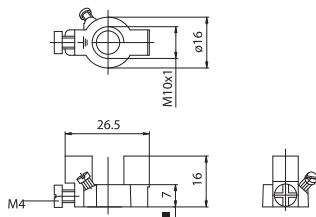


- The accessories available are listed at the end of this section.

▲ Central contact distance



210



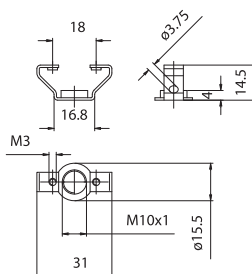
■ Thread depth

210: adapter, in white zinc-plated zamak, height 16 mm, with threaded hole M10 x1 and holes diameter 2,6 mm with center distance 18 mm to fix the lampholders, with screws for nipple-block and for the ground cable.
For lampholders: A40-, A42-, P03-, P05, P10 and P40.

- Weight: 15 g.

Note: thread-forming 2,9 x 13 mm screws, with star-slotted head, to fix the adapter to the lampholder (ref. art. 521).
(for P40 screws 2,9 x 16 mm - ref. art. 522).

219

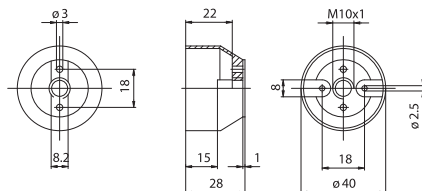


219: adapter, in zinc-plated iron, height 14,5 mm, with threaded hole M10 x1 and holes M3 with center distance 18 mm to fix the lampholders.
For lampholders: A40-, A42-, P03-, P05, P10 and P40.

- Weight: 8 g.

Note: M3 screws, to fix the adapter to the lampholders.

212

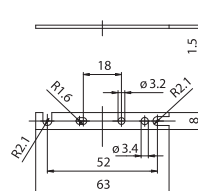


212: double insulation adapter, in white PA66 20% G.F.V2 T140°C with threaded hole M10 x1, with hole for the screw for nipple-block, and holes diameter 2,4 mm with center distance 18 mm to fix the lampholders .
For lampholder P10.

- Weight: 3 g.

Note: thread-forming 2,9 x 13 mm screws, with star-slotted head, to fix the adapter to the lampholder P10 (ref. art. 521).

206

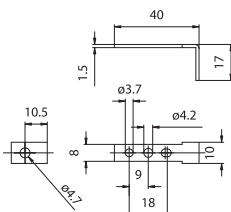


206: plate bracket, in white zinc-plated iron, with slotted holes diameter 4,2 mm for fixing in holes with center distance 52 mm.
For lampholders: A40-, A42-, P03-, P05 and P10.

- Weight: 5 g.

Note: screws or rivets, inserted in the holes with center distance 18 mm, to fix the plate bracket to the lampholders.

207

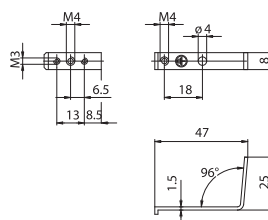


207: 90° bracket, in white zinc-plated iron, with hole diameter 4,2 mm, for fixing on structures with threaded holes M4.
For lampholders: P03-, P05, P10 and P40.

- Weight: 5 g.

Note: screws or rivets, inserted in the holes with center distance 18 mm, to fix the bracket to the lampholders.

208

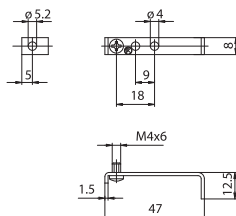


208: 96° bracket, in white zinc-plated iron, with two threaded holes M3 and one M4, for fixing on structures with pre-arranged holes.
For lampholders: P03-, P05, P10 and P40.

- Weight: 6 g.

Note: screws or rivets, inserted in the holes with center distance 18 mm, to fix the bracket to the lampholders.

209

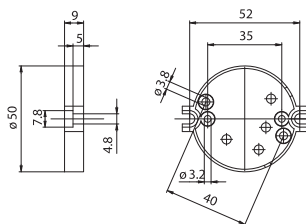


209: 90° bracket, in white zinc-plated iron, with hole diameter 5,2 mm and earth-screw, for fixing on structures with threaded holes M4.
For lampholders: P03-, P05, P10 and P40.

- Weight: 5 g.

Note: screws or rivets, inserted in the holes with center distance 18 mm, to fix the bracket to the lampholders.

227

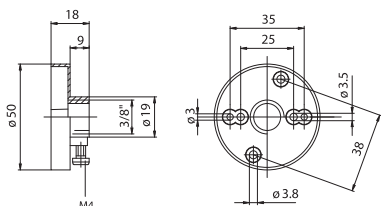


227: Closing base for double insulation in black PA66 20% G.F. V2, T140°C, with center distance 52 mm.
For lampholders: P15, P15A, P20, P25 and P27.

- Weight: 8 g.

Note: thread-forming 4,2 x 13 mm or metric M4 x 12 screws, with star-slotted head, to fix the base to the lampholders.

228

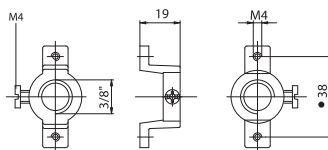


228: adapter with threaded hole 3/8", in black PA66 20% G.F. V2, T140°C, with screw for nipple-block.
For lampholders: P15, P20, P25 and P27.

- Weight: 10 g.

Note: thread-forming 4,2 x 13 mm or metric M4 x 12 screws, with cross-slotted head, to fix the adapter to the lampholders.

230



230: adapter, in white zinc-plated aluminium, with threaded hole 3/8" with center distance 38 mm, to fix the lampholder, and with screw for nipple-block.
For lampholder: P15.

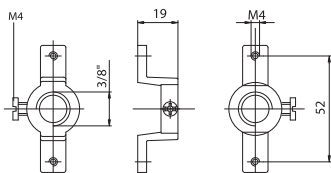
- Weight: 10 g.

Note: M4 x 12 screws, to fix the adapter to the lampholder.

230A: ● adapter as 230, with fixing center distance 34 mm.
For lampholder P25.

230C: ● adapter as 230, with fixing center distance 36 mm.
For lampholder P40.

231

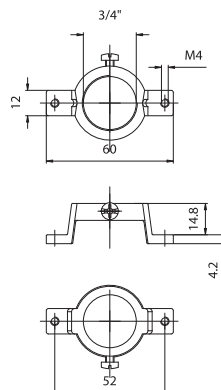


231: adapter, in white zinc-plated aluminium, with threaded hole 3/8" with center distance 52 mm, to fix the lampholder, and with screw for nipple-block.
For lampholders: P15A, P25D and P27D.

- Weight: 10 g.

Note: M4 x 12 screws, to fix the adapter to the lampholder.

233

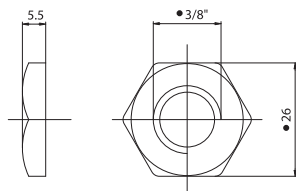


233: adapter, in white zinc-plated aluminium, with threaded hole 3/4" with center distance 52 mm, to fix the lampholder, with screw for nipple-block.
For lampholders: P15A, P25D and P27D.

- Weight: 15 g.

Note: M4 x 12 screws, to fix the adapter to the lampholder.

M16



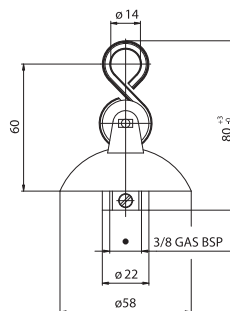
M16: nut, in aluminium, hexagonal 26 mm, with threaded hole 3/8".

- Weight: 5 g.

M17: ● nut, in aluminium, hexagonal 36 mm, with threaded hole 3/4".

- Weight: 10 g .

M303



M303: "umbrella" suspension envelope for lighting fittings with weight less than 15 Kg.

- Die-cast polished aluminium body (painted, on request).
- Black PA66 pulley.
- Suspension hang in steel wire diameter 4 mm.
- Connecting adapter in die-cast aluminium with threaded hole 3/8".

M303E: ● version with adapter with threaded hole M10 x1.

- Weight: 65 g.

Note: on request it is possible to supply the cap with a hole for cable-clamp insertion.

SECTION 5

LAMPHOLDERS B15d:

Art. **P37**

page 505

LAMPHOLDERS BY22d:

Art. **P40**

page 509



BAYONET CAP LAMPHOLDERS



BAYONET CAP LAMPHOLDERS

P37M

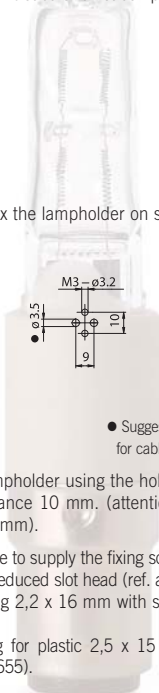


Note: to tighten the clamps screws, use a screwdriver with a slot max. diameter 3,5 mm.

- Steatite body.
Contact in nickel-plated brass.
Contacts pressure springs in normalized stainless steel.
Brass clamps with slot screws not completely tightened.

- Weight: 30 g.

- Instructions to fix the lampholder on structures.



- Fixing of the lampholder using the holes diameter 3,2 mm with center distance 10 mm. (attention: max diameter of screw head 4,5 mm).
- Note: it is possible to supply the fixing screws:
 - M3 x 16 with reduced slot head (ref. art. 502)
 - Thread-forming 2,2 x 16 mm with star-slotted head (ref. art. 514).
 - Thread-forming for plastic 2,5 x 15 mm with star-slotted head (ref. art. 655).

Lampholder:

Maximum power:
Rated voltage:
Working temperature:
Type of clamps for cable connection:
Clamps connecting capacity:
In conformity to the standards:

B15d

**500 W
125 V
T 250°C**

**SCREW CLAMPS
0,50 ÷ 1,00 mm²
UL 496
CSA 22.2 N.43**

Approval marks:

cURus

Single-conductor flexible connecting cables, black and white polarized, which could be connected to the lampholder (arranged with crimped end-terminals or with stripping 6 mm):

Insulation	T in °C	Conduct.	Available voltages and AWG		
			300V	600V	18AWG
Silicone Single insulation	200	CuSn		•	•
Silicone+glass-braid Single insulation	200	CuSn		•	•
FEP Single insulation	200	CuNi	•	•	•
FEP+FEP Double insulation	200	CuNi	•		•
PTFE Single insulation	250	CuNi	•	•	•
PTFE+PFA Double insulation	250	CuNi	•		•



P37

1987



Lampholder:

B15d

Rated voltage:

250 V

Rated current:

8 A

Working temperature:

T 250°C

Type of clamps for

cables connection:

SCREW CLAMPS

Clamps connecting capacity:

0,50 ÷ 1,00 mm²

Overvoltage category:

III

Protection degree (IP):

IP20

In conformity to the standards:

EN 61184

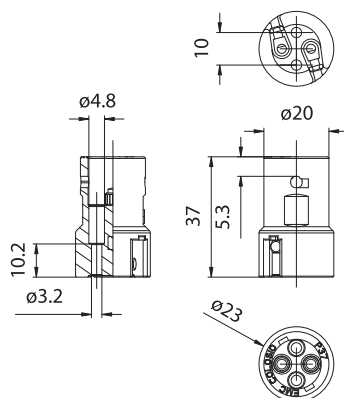
In conformity to the requirements
of the directive:

2006/95/EC

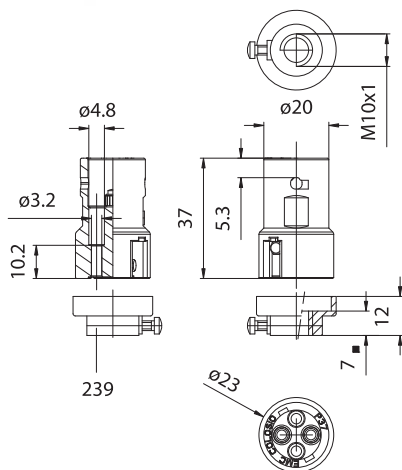
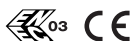
Approval marks:

ENEC 03

CQC



P37H



● Depth of thread

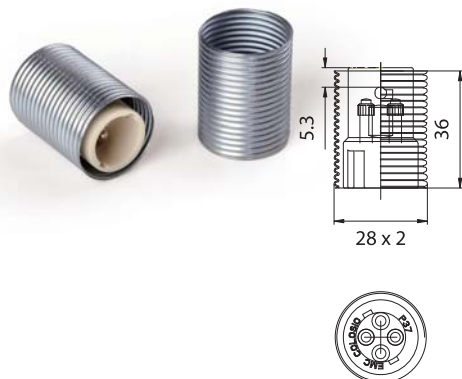
P37H: lampholder P37 equipped with adapter in black PA66 20% G.F. T140°C, 12 mm height, with threaded hole M10 x1 with screw for nipple-block (ref. art. 247).

Note: this code is supplied with the adapter unassembled on the lampholder (included the two thread-forming screws for plastic 2,5 x 15 mm with star-slotted head - ref. art. 655).

- Weight: 35 g.

- Fixing of the lampholder by M10 x1 nipples.

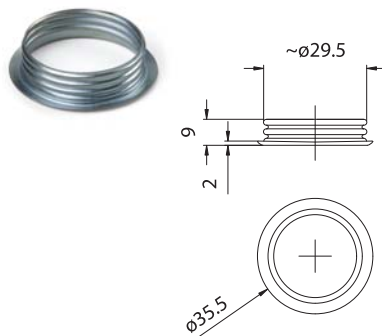
428/36



428/36: case, in white zinc-plated iron, with round thread 28 x2 mm, height 36 mm.

- Weight: 8 g.

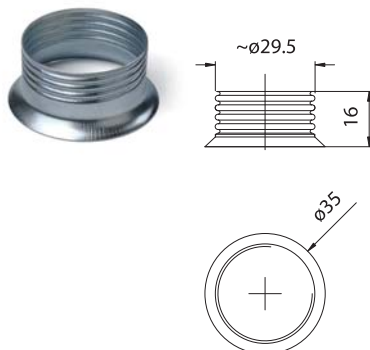
428FV/9



428FV/9: ring-nut, in white zinc-plated iron, with plain ledge with round thread 28 x2 mm, height 9 mm, for case 428/36.

- Weight: 2 g.

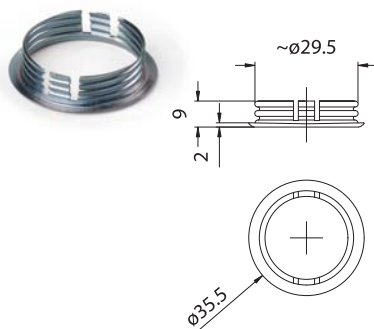
428F/16



428F/16: ring-nut, in white zinc-plated iron, with round thread 28 x2 mm, height 16 mm, for case 428/36.

- Weight: 2 g.

428FV/9T6



428FV/9T6: ring-nut, in white zinc-plated iron, with plain ledge with round thread 28 x2 mm, height 9 mm, with rifts, for case 428/36.

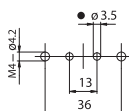
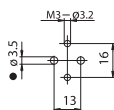
- Weight: 2 g.

Note: this ring-nut works properly when inserted in holes diameter 29,5 ± 0,2 mm.

BAYONET CAP LAMPHOLDERS

Note: to tighten the clamps screws, use a screwdriver with a slot max. diameter 3,5 mm.

- Porcelain body.
Contact in nickel-plated brass.
Contacts pressure springs in normalized stainless steel.
Nickel-plated brass clamps with slot screws not completely tightened.
- Weight: 55 g.
- Instructions to fix the lampholder on structures.



- Suggested minimum dimension for cables passage (if necessary)

- Fixing of the lampholder using the holes diameter 3,6 mm with center distance 16 mm, or the holes diameter 4,5 mm with center distance 36 mm.



P40

CE

Lampholder:**BY22d**

Rated voltage:

250 V

Rated current:

4 A

Working temperature:

T 250°C

Type of clamps for

cables connection:

SCREW CLAMPS

Clamps connecting capacity:

0,50 ÷ 1,00 mm²

Overvoltage category:

III

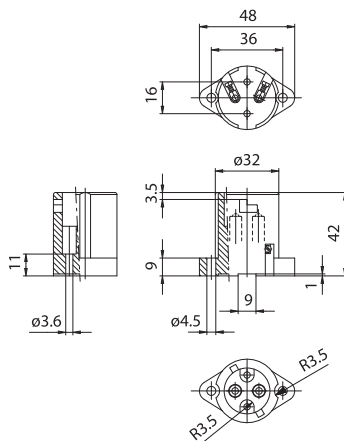
Protection degree (IP):

IP20

In conformity to the standards:

CEI 34-44 I Ed.In conformity to the requirements
of the directive:**2006/95/EC**

Approval marks:



- The accessories, which may be supplied separately, are indicated in "section 4".



LAMPHOLDERS G24d1 G24d2 G24d3:

Art. A50 D- *page 605*

LAMPHOLDERS G24q1 G24q2 G24q3 GX24q4:

Art. A50 Q- *page 605*

ACCESSORIES: *page 606*



LAMPHOLDERS FOR FLUORESCENT LAMPS



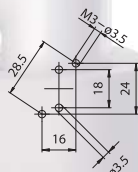
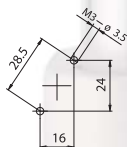
LAMPHOLDERS FOR FLUORESCENT LAMPS

Attention: also available version with "universal" key for lamp insertion.

- ref. art. A50D0, for version with G24 d- connection
(version without the anti-rotation device)
- ref. art. A50A00, for version with G24 d- connection
(version with the anti-rotation device)
- ref. art. A50Q0, for version with G24 q- connection
(version without the anti-rotation device)
- ref. art. A50AQ0, for version with G24 q- connection
(version with the anti-rotation device)

Note: connecting cables shall be stripped from 6 to 8 mm.

- Body with round thread 40 x 2,5 mm in white PA66 25% fiberglass V2 (other colours on request).
Contacts in special alloy (double for "q" series).
Push-in clamps, with double entry-hole, built in the contacts, fore-made in order to connect the following cables (which can be supplied, on request, already cut and worked on customer's specifications):
 - solid wires from section 8/10 (0.50 mm²) to section 12/10 (1.00 mm²).
 - flexible wires with tinned ends from section 0.50 mm² to section 1.00 mm².
 - flexible wires with crimped end-terminals from section 0.50 mm² to section 0.75 mm².
- Weight: 20 g.
- Instructions to fix the lampholder on structures.



▲ Anti-rotation hole

- Fixing of the lampholders:
either using the holes 3,5 mm with center-holes 28,5 mm
(if M3 screws are used, the screw head must be less than 5,8 mm),
or using the central hole diameter 3,2 mm when the support structure for the lampholders is equipped with anti-rotation devices (foresee, if necessary, the holes for cables passage).



G24d1 (Art. A50 D1)
G24q1 (Art. A50 Q1)
for **10-13W** lamps

G24d2 (Art. A50 D2)
G24q2 (Art. A50 Q2)
for **18W** lamps

G24d3 (Art. A50 D3)
G24q3 (Art. A50 Q3)
for **26-32W** lamps

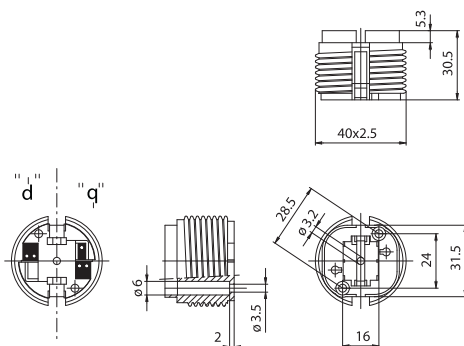
GX24q4 (Art. A50 Q4)
for **42W** lamps

500 V
2 A
T 140°C

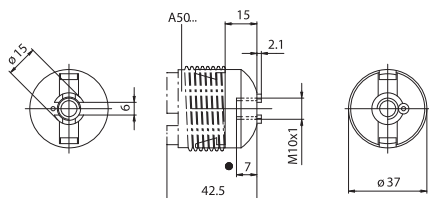
SPRING CLAMPS
(Push-in insertion)
0,50 ÷ 1,00 mm²
III
IP20
EN 60400

ENEC 03 CQC

A50AQ4: version for 42W lamps with anti-rotation device to be used when fixing the lampholders using the central hole diameter 3.2 mm.



163



● Thread depth

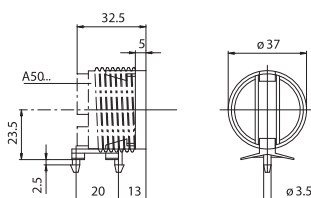
163: cap for A50 lampholders in white PA66 25% G.F. V2 with threaded hole M10 x1.

163Z: cap with screw to block the nipple.

163P: cap with through hole diameter 10,2 mm.

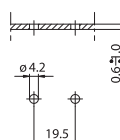
- Weight: 5 g.

167



167: adapter for A50 lampholders in white PA66 25% G.F. V2 with base with two stems to be snapped in plates holes with 0.6 ÷ 1.0 mm thickness.

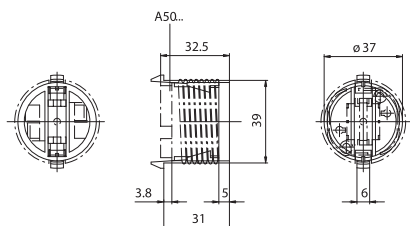
- Weight: 4 g.
- Instructions to fix the adapter on structures.



- Snap-in fixing to the lampholders.

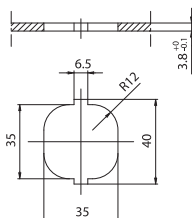
- Snap-in fixing to the lampholders.

164



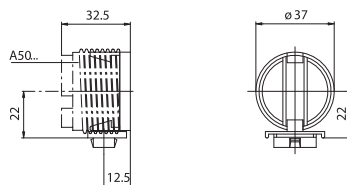
164: adapter for A50 lampholders in white PA66 25% G.F. V2 with extensions to fix the lampholder, by snap-in, on plates with $0.6 \div 1.0$ mm thickness with the same profile of the lampholders.

- Weight: 3 g.
- Instructions to fix the adapter on structures.



- Snap-in fixing to the lampholders.

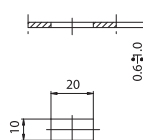
166



166: adapter for A50 lampholders in white PA66 25% G.F. V2 with base to be snapped in plates 20 x 10 mm, plates thickness $0.6 \div 1.0$ mm.

Note: the cables may pass through the adapter base.

- Weight: 4 g.
- Instructions to fix the adapter on structures.



- Snap-in fixing to the lampholders.

SECTION 7

KNIFE SWITCHES:

- Art. **M26-** *page 704*
Art. **M27-** *page 708*
Art. **M29-** *page 712*

CONNECTING DEVICES:

- Art. **M09** *page 718*
Art. **M10** *page 718*
Art. **M50-** *page 716*
Art. **M55-** *page 717*
Art. **M120-** *page 720*
Art. **M123-** *page 721*
Art. **M124-** *page 722-723*
Art. **M132-** *page 719*

CONNECTING DEVICES WITH IP DEGREE (IP):

- Art. **M140-** *page 724*
Art. **M145-** *page 725*
Art. **M98** *page 727*
Art. **M99** *page 726*

CABLE CLAMPS:

- Art. **432-** *page 728*
Art. **430-** *page 729*
Art. **760-** *page 728*

ACCESSORIES:

- Art. **1063-** *page 729*

BRASS JOINTS:

- Art. **R1-** *page 730*
Art. **R3-** *page 731*
Art. **R6-** *page 732*



KNIFE SWITCHES - CONNECTING DEVICES BRASS JOINTS



KNIFE SWITCHES - DISCONNECTING DEVICES

M26

2011



Type :

3 POLES KNIFE SWITCH
(**6 POLES KNIFE SWITCH** ref. M26S-)

Rated voltage:
Impulse voltage:
Rated current:
Resistance to surface

400 V
5 kV
20 A

currents:
Working temperature:
Insulation class:

TK 175
T 120°C (T240°C for M26-H)
II

Type of clamps to
connect the cables:
Clamps connecting capacity:
Overvoltage category:
Protection degree (IP):
In conformity to the standards:
In conformity to the requirements
of the directive:

SCREW CLAMPS
0,75 ÷ 2,50 mm²
III
IP20
EN 60598-1

2014/35/EU

Approval marks:

M26: 3 poles knife-switch with body in PA66 and working temperature T120°C.

M26H: 3 poles knife-switch with body in PPS and working temperature T240°C.

M26S: 6 poles (6 poles IN + 6 poles OUT) knife-switch with body in PA66 and working temperature T120°C.

M26SH: 6 poles (6 poles IN + 6 poles OUT) knife-switch with body in PPS and working temperature T240°C.

- Body in black thermoplastic material PA66 30% G.F. - V0 (PPS for the version T240°C).
Contacts in nickel-plated phosphorous bronze (silver-plated for the version T240°C).
Reinforcing spring for the contacts in steel Aisi 301.
Bush-clamps with screws with combined slot+cross head, for cables section from 1,50 mm² to 4,00 mm².
Leaf for the protection of the strands of the core, inserted in the bush.

- Weight: 125 g.

Note 1: it is possible to set this model of knife-switch according to the wished wiring for the customer, so that that less component are needed. Here below the available settings:

M26 and M26H, standard version,

- nr. 6 bushes in the female part (3 poles IN + 3 poles OUT) and
- nr. 6 bushes in the male part (3+3 poles OUT).

M26 MF and M26H MF,

- nr. 6 bushes only in the female part (3 poles IN + 3 poles OUT).

M26 MM and M26H MM,

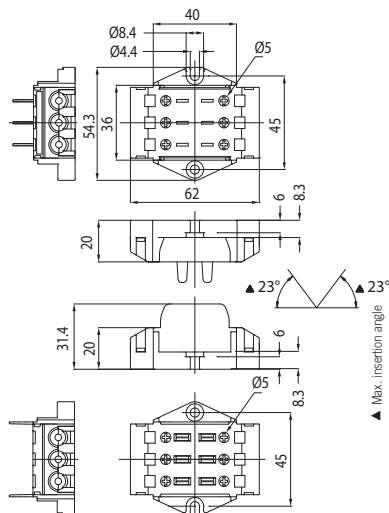
- nr. 3 bushes in the female part (3 poles IN) and
- nr. 3 bushes in the male part (3 poles OUT).

M26 MD and M26H MD,

- nr. 6 bushes in the female part (3 poles IN + 3 poles OUT) and
- nr. 3 bushes in the male part (3 poles OUT).

M26S and M26SH, 6 poles special version,

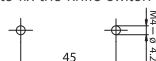
- nr. 6 bushes in the female part (3 poles IN + 3 poles OUT) and
- nr. 6 bushes in the male part (3 poles IN + 3 poles OUT).



Note 2: to tighten the clamps screws, use a screwdriver with max. diameter 5 mm.

Note 3: for this knife-switch are available also a series of accessories as cord-grip and cables-guide. These versions are described at page 707.

- Instructions to fix the knife switch on structures.



- Fixing of the knife switch using the holes diameter 4,2 mm with center distance 45 mm.



KNIFE SWITCHES - DISCONNECTING DEVICES

M26B

2011



Type :

2 POLES KNIFE SWITCH
(4 POLES KNIFE SWITCH ref. M26Q-)

Rated voltage:

400 V

Impulse voltage:

5 kV

Rated current:

20 A

Resistance to surface currents:

TK 175

Working temperature:

T 120°C (T240°C for M26-H)

Insulation class:

II

Type of clamps to connect the cables:

SCREW CLAMPS

Clamps connecting capacity:

0,75 ÷ 2,50 mm²

Overvoltage category:

III

Protection degree (IP):

IP20

In conformity to the standards:

EN 60598-1

In conformity to the requirements of the directive:

2014/35/EU

Approval marks:

M26B: 2 poles knife-switch with body in PA66 and working temperature T120°C.

M26BH: 2 poles knife-switch with body in PPS and working temperature T240°C.

M26Q: 4 poles (4 poles IN + 4 poles OUT) knife-switch with body in PA66 and working temperature T120°C.

M26QH: 4 poles (4 poles IN + 4 poles OUT) knife-switch with body in PPS and working temperature T240°C.

- Body in black thermoplastic material PA66 30% G.F. - V0 (PPS for the version T240°C).
Contacts in nickel-plated phosphorous bronze (silver-plated for the version T240°C).
Reinforcing spring for the contacts in steel Aisi 301.
Bush-clamps with screws with combined slot+cross head, for cables section from 1,50 mm² to 4,00 mm².
Leaf for the protection of the strands of the core, inserted in the bush.

- Weight: 110 g.

Note 1: it is possible to set this model of knife-switch according to the wished wiring for the customer, so that that less component are needed. Here below the available settings:

M26B and M26BH, standard version,

- nr. 4 bushes in the female part (2 poles IN + 2 poles OUT) and

- nr. 4 bushes in the male part (2+2 poles OUT).

M26B MF and M26BH MF,

- nr. 4 bushes only in the female part (2 poles IN + 2 poles OUT).

M26B MM and M26BH MM,

- nr. 2 bushes in the female part (2 poles IN) and

- nr. 2 bushes in the male part (2 poles OUT).

M26B MD and M26BH MD,

- nr. 4 bushes in the female part part (2 poles IN + 2 poles OUT) and

- nr. 2 bushes in the male part (2 poles OUT).

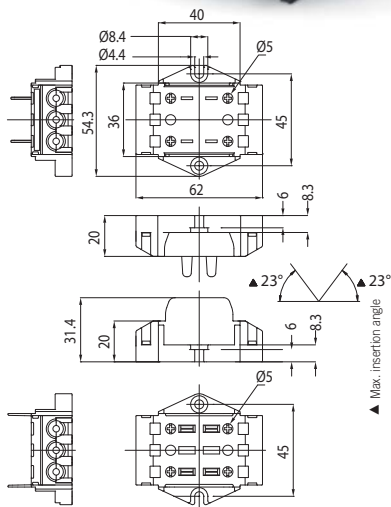
M26Q and M26QH, 4 poles special version,

- nr. 4 bushes in the female part part (2 poles IN + 2 poles OUT) and

- nr. 4 bushes in the male part (2 poles IN + 2 poles OUT).

Note 2: to tighten the clamps screws, use a screwdriver with max. diameter 5 mm.

Note 3: for this knife-switch are available also a series of accessories as cord-grip and cables-guide. These versions are described at page 707.



- Instructions to fix the knife switch on structures.



- Fixing of the knife switch using the holes diameter 4,2 mm with center distance 45 mm.



KNIFE SWITCHES - DISCONNECTING DEVICES

M26T 2011



Type :

2 POLES + GROUND KNIFE SWITCH
(4 POLES + GROUND KNIFE SWITCH ref. M26R-)

Rated voltage:
Impulse voltage:
Rated current:
Resistance to surface currents:
Working temperature:
Insulation class:
Type of clamps to connect the cables:
Clamps connecting capacity:
Overvoltage category:
Protection degree (IP):
In conformity to the standards:
In conformity to the requirements of the directive:

400 V
5 kV
20 A

TK 175
T 120°C (T240°C for M26-H)
I

SCREW CLAMPS
0,75 ÷ 2,50 mm²
III
IP20
EN 60598-1

2014/35/EU

Approval marks:

M26T: 2 poles + ground knife-switch with body in PA66 and working temperature T120°C.

M26TH: 2 poles + ground knife-switch with body in PPS and working temperature T240°C.

M26R: 4 poles + ground (4 poles IN + 4 poles OUT + ground) knife-switch with body in PA66 and working temperature T120°C.

M26RH: 4 poles + ground (4 poles IN + 4 poles OUT + ground) knife-switch with body in PPS and working temperature T240°C.

- Body in black thermoplastic material PA66 30% G.F. - V0 (PPS for the version T240°C).
Contacts in nickel-plated phosphorous bronze (silver-plated for the version T240°C).
Reinforcing spring for the contacts in steel Aisi 301.
Bush-clamps with screws with combined slot+cross head, for cables section from 1,50 mm² to 4,00 mm².
Leaf for the protection of the strands of the core, inserted in the bush.
- Weight: 125 g.

Note 1: it is possible to set this model of knife-switch according to the wished wiring for the customer, so that that less component are needed. Here below the available settings:

M26T and **M26TH**, standard version,

- nr. 6 bushes in the female part (3 poles IN + 3 poles OUT) and
- nr. 6 bushes in the male part (3+3 poles OUT).

M26T MF and **M26TH MF**,

- nr. 6 bushes only in the female part (3 poles IN + 3 poles OUT).

M26T MM and **M26TH MM**,

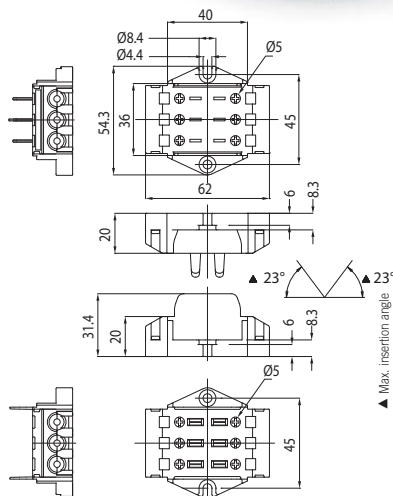
- nr. 3 bushes in the female part (3 poles IN) and
- nr. 3 bushes in the male part (3 poles OUT).

M26T MD and **M26TH MD**,

- nr. 6 bushes in the female part part (3 poles IN + 3 poles OUT) and
- nr. 3 bushes in the male part (3 poles OUT).

M26R and **M26RH**, 4 poles + ground special version,

- nr. 6 bushes in the female part part (3 poles IN + 3 poles OUT + ground) and
- nr. 6 bushes in the male part (3 poles IN + 3 poles OUT + ground).



Note 2: to tighten the clamps screws, use a screwdriver with max. diameter 5 mm.

Note 3: for this knife- switch are available also a series of accessories as cord-grip and cables-guide. These versions are described at page 707.

- Instructions to fix the knife switch on structures.



- Fixing of the knife switch using the holes diameter 4,2 mm with center distance 45 mm.

KNIFE SWITCHES - DISCONNECTING DEVICES

M26-

2011



M26A - M26HA

M26BA - M26BHA

M26TA - M26THA

Knife-switch of the series M26- provided:

- on the female side with a cord-grip.

M26AG1 - M26HAG1

M26BAG1 - M26BHAG1

M26TAG1 - M26THAG1

Knife-switch of the series M26- provided:

- on the female side with a cord-grip and a cables-guide.

M26AG2 - M26HAG2

M26BAG2 - M26BHAG2

M26TAG2 - M26THAG2

Knife-switch of the series M26- provided:

- on the female side with a cord-grip and a cables-guide and

- on the male side with a cables-guide.

M26AZ1 - M26HAZ1

M26BAZ1 - M26BHAZ1

M26TAZ1 - M26THAZ1

Knife-switch of the series M26- provided:

- on the female side with a cord-grip and

- on the male side with a cables-guide.

M26AZ2 - M26HAZ2

M26BAZ2 - M26BHAZ2

M26TAZ2 - M26THAZ2

Knife-switch of the series M26- provided:

- on the female side with a cord-grip and

- on the male side with two cables-guide.

M26G2 - M26HG2

M26BG2 - M26BHG2

M26TG2 - M26THG2

Knife-switch of the series M26- provided:

- on the female side with two cables-guide.

M26G3 - M26HG3

M26BG3 - M26BHG3

M26TG3 - M26THG3

Knife-switch of the series M26- provided:

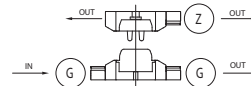
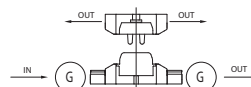
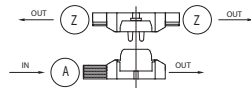
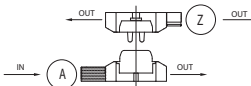
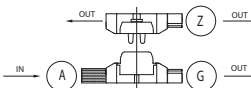
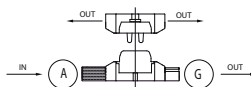
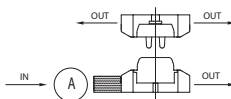
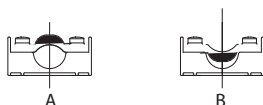
- on the female side with two cables-guide and

- on the male side with a cables-guide.

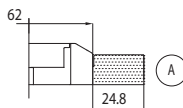
• Additional weight: 5 g for each additional accessory.

• The cord-grip is foreseen for cables from diameter 4 to diameter 13 mm.

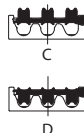
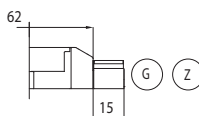
Fixing of the cord-grip thought two thread-forming screws for plastic, with cross head, already inserted in the device. Here below the scheme for the installation:



CORD-GRIP



CABLES GUIDE



KNIFE SWITCHES - DISCONNECTING DEVICES

M27

1990



Type:

3 POLES KNIFE SWITCH

Rated voltage:

400 V

Rated current:

16 A (10 A for M27E)

Resistance to surface currents:

TK 175

Working temperature:

T 120°C

Insulation class:

II

Type of clamps to

connect the cables:

SCREW CLAMPS

Clamps connecting capacity:

1,50 ÷ 4,00 mm²

Overvoltage category:

III

Protection degree (IP):

IP20

In conformity to the standards:

EN 60598-1

In conformity to the requirements of the directive:

2014/35/EU

Approval marks:

CSv - IMQ



M27: knife switch with rated current 16 A.

M27E: knife switch with rated current 10 A.

M27-H: knife switch as M27 or M27E with black PPS body and with working temperature T220°C.

- Body in black thermoplastic material PA66 20% G.F. - V0. Contacts in nickel-plated phosphorous bronze. Bush-clamps with screws with combined slot+cross head, for cables section from 1,50 mm² to 4,00 mm².

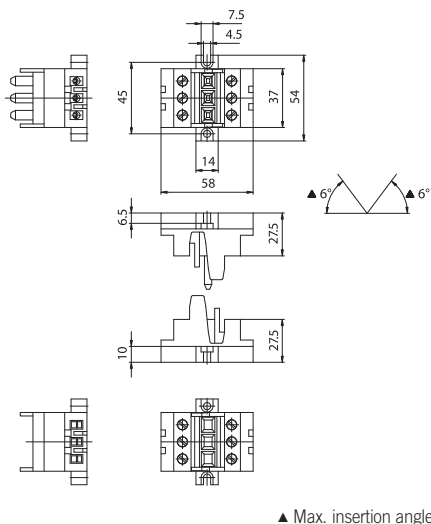
- Weight: 133 g.

Note: to tighten the clamps screws, use a screwdriver with max. diameter 6 mm.

- Instructions to fix the knife switch on structures.



- Fixing of the knife switch using the holes diameter 4,2 mm with center distance 45 mm (if M4 screws are used, the head-diameter should be less than 7,5 mm).



▲ Max. insertion angle

Attention: the knife switch is provided to be used in internal wiring of lighting fixtures.

It is not foreseen that an installer can connect this device to the net.



KNIFE SWITCHES - DISCONNECTING DEVICES

M27B

1990



Type:

2 POLES KNIFE SWITCH

Rated voltage:

400 V

Rated current:

16 A (10 A for M27BE)

Resistance to surface currents:

TK 175

Working temperature:

T 120°C

Insulation class:

II

Type of clamps to

connect the cables:

SCREW CLAMPS

Clamps connecting capacity:

1,50 ÷ 4,00 mm²

Overvoltage category:

III

Protection degree (IP):

IP20

In conformity to the standards:

EN 60598-1

In conformity to the requirements of the directive:

2014/35/EU

Approval marks:

CSv - IMQ



M27B: knife switch with rated current 16 A.

M27BE: knife switch with rated current 10 A.

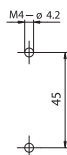
M27B-H: knife switch as M27B or M27BE with black PPS body and with working temperature T220°C.

- Body in black thermoplastic material PA66 20% G.F. - V0. Contacts in nickel-plated phosphorous bronze. Bush-clamps with screws with combined slot+cross head, for cables section from 1,50 mm² to 4,00 mm².

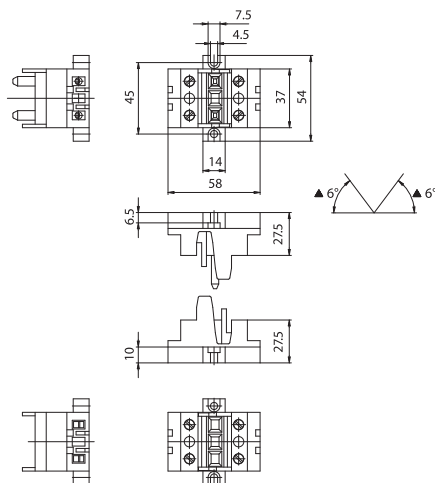
- Weight: 111 g.

Note: to tighten the clamps screws, use a screwdriver with max. diameter 6 mm.

- Instructions to fix the knife switch on structures.



- Fixing of the knife switch using the holes diameter 4,2 mm with center distance 45 mm (if M4 screws are used, the head-diameter should be less than 7,5 mm).



▲ Max. insertion angle

Attention: the knife switch is provided to be used in internal wiring of lighting fixtures.

It is not foreseen that an installer can connect this device to the net.



KNIFE SWITCHES - DISCONNECTING DEVICES

M27T

1990



Type:

2 POLES + GROUND KNIFE SWITCH

Rated voltage:

400 V

Rated current:

16 A (10 A for M27TE)

Resistance to surface currents:

TK 175

Working temperature:

T 120°C

Insulation class:

I

Type of clamps to

connect the cables:

SCREW CLAMPS

Clamps connecting capacity:

1,50 ÷ 4,00 mm²

Overvoltage category:

III

Protection degree (IP):

IP20

In conformity to the standards:

EN 60598-1

In conformity to the requirements of the directive:

2014/35/EU

Approval marks:

CSv - IMQ



M27T: knife switch with rated current 16 A.

M27TE: knife switch with rated current 10 A.

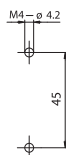
M27T-H: knife switch as M27T or M27TE with black PPS body and with working temperature T220°C.

- Body in black thermoplastic material PA66 20% G.F. - V0. Contacts in nickel-plated phosphorous bronze. Bush-clamps with screws with combined slot+cross head, for cables section from 1,50 mm² to 4,00 mm².

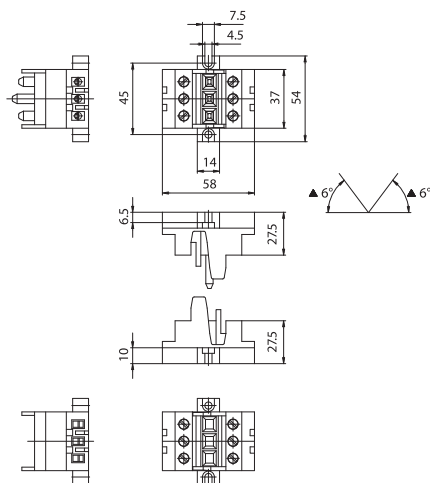
- Weight: 133 g.

Note: to tighten the clamps screws, use a screwdriver with max. diameter 6 mm.

- Instructions to fix the knife switch on structures.



- Fixing of the knife switch using the holes diameter 4,2 mm with center distance 45 mm (if M4 screws are used, the head-diameter should be less than 7,5 mm).



▲ Max. insertion angle

Attention: the knife switch is provided to be used in internal wiring of lighting fixtures.

It is not foreseen that an installer can connect this device to the net.



KNIFE SWITCHES - DISCONNECTING DEVICES

M27A-M27HA

M27EA-M27EHA

1990

M27BA-M27BHA

M27BEA-M27BEHA

M27TA-M27THA

M27TEA-M27TEHA

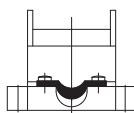


Knife switch of line M27- with cable clamp for electrical cables with maximum diameter 13 mm, fixed in the "female" part of the knife switch.

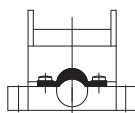


- Additional weight: +10 g.

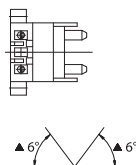
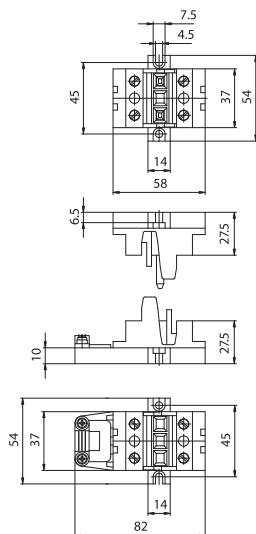
- The fastening of the cable clamp occurs by two thread-forming screws for plastic, with cross head, already inserted in the device according to the following indications:



A



B



▲ Max. insertion angle

- Cable clamp bracket in position A: allows to clamp up to three single-conductor cables with diameter 4 mm.
- Cable clamp bracket in position B: allows to clamp up to multi-conductor cables with maximum diameter 13 mm.



KNIFE SWITCHES - DISCONNECTING DEVICES

M29

2000



Type:

3 POLES KNIFE SWITCH

Rated voltage:

400 V

Rated current:

16 A (10 A for M29E)

Resistance to surface currents:

TK 175

Working temperature:

T 120°C

Insulation class:

II

Type of clamps to

connect the cables:

SCREW CLAMPS

Clamps connecting capacity:

0,75 ÷ 2,50 mm²

Overvoltage category:

III

Protection degree (IP):

IP20

In conformity to the standards:

EN 60598-1

In conformity to the requirements of the directive:

2014/35/EU

Approval marks:

CSv - IMQ

M29: knife switch with rated current 16 A.

M29E: knife switch with rated current 10 A.

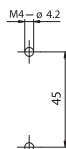
M29-H: knife switch as M29 or M29E with black PPS body and with working temperature T220°C.

- Body in black thermoplastic material PA66 20% G.F. - V0. Contacts in nickel-plated phosphorous bronze. Bush-clamps with screws with combined slot+cross head, for cables section from 0,75 mm² to 2,5 mm².

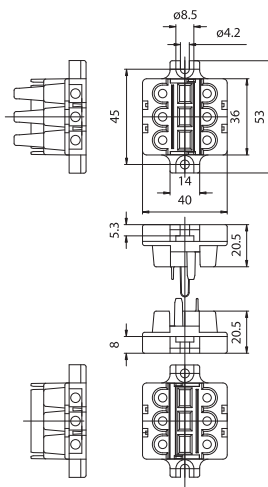
- Weight: 75 g.

Note: to tighten the clamps screws, use a screwdriver with max. diameter 3,5 mm.

- Instructions to fix the knife switch on structures.



- Fixing of the knife switch using the holes diameter 4,2 mm with center distance 45 mm (if M4 screws are used, the head-diameter should be less than 8,3 mm).



▲ Max. insertion angle

Attention: the knife switch is provided to be used in internal wiring of lighting fixtures. It is not foreseen that an installer can connect this device to the net.



KNIFE SWITCHES - DISCONNECTING DEVICES

M29B

2000



Type:

2 POLES KNIFE SWITCH

Rated voltage:

400 V

Rated current:

16 A (10 A for M29BE)

Resistance to surface currents:

TK 175

Working temperature:

T 120°C

Insulation class:

II

Type of clamps to

connect the cables:

SCREW CLAMPS

Clamps connecting capacity:

0,75 ÷ 2,50 mm²

Overvoltage category:

III

Protection degree (IP):

IP20

In conformity to the standards:

EN 60598-1

In conformity to the requirements of the directive:

2014/35/EU

Approval marks:

CSv - IMQ



M29B: knife switch with rated current 16 A.

M29BE: knife switch with rated current 10 A.

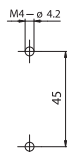
M29B-H: knife switch as M29B or M29BE with black PPS body and with working temperature T220°C.

- Body in black thermoplastic material PA66 20% G.F. - V0. Contacts in nickel-plated phosphorous bronze. Bush-clamps with screws with combined slot+cross head, for cables section from 0,75 mm² to 2,5 mm².

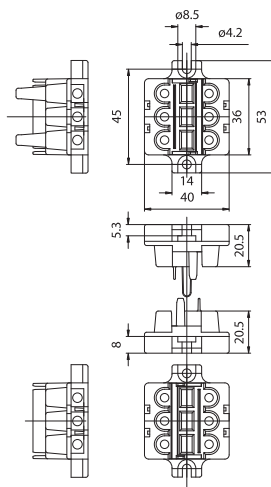
- Weight: 75 g.

Note: to tighten the clamps screws, use a screwdriver with max. diameter 3,5 mm.

- Instructions to fix the knife switch on structures.



- Fixing of the knife switch using the holes diameter 4,2 mm with center distance 45 mm (if M4 screws are used, the head-diameter should be less than 8,3 mm).



▲ Max. insertion angle

Attention: the knife switch is provided to be used in internal wiring of lighting fixtures.

It is not foreseen that an installer can connect this device to the net.



KNIFE SWITCHES - DISCONNECTING DEVICES

M29T 2000



Type:

2 POLES KNIFE SWITCH + GROUND

Rated voltage:

400 V

Rated current:

16 A (10 A for M29TE)

Resistance to surface currents:

TK 175

Working temperature:

T 120°C

Insulation class:

I

Type of clamps to

connect the cables:

SCREW CLAMPS

Clamps connecting capacity:

0,75 ÷ 2,50 mm²

Overvoltage category:

III

Protection degree (IP):

IP20

In conformity to the standards:

EN 60598-1

In conformity to the requirements of the directive:

2014/35/EU

Approval marks:

CSV - IMQ

M29T: knife switch with rated current 16 A.

M29TE: knife switch with rated current 10 A.

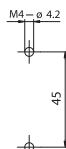
M29T-H: knife switch as M29T or M29TE with black PPS body and with working temperature T220°C.

- Body in black thermoplastic material PA66 20% G.F. - V0. Contacts in nickel-plated phosphorous bronze. Bush-clamps with screws with combined slot+cross head, for cables section from 0,75 mm² to 2,5 mm².

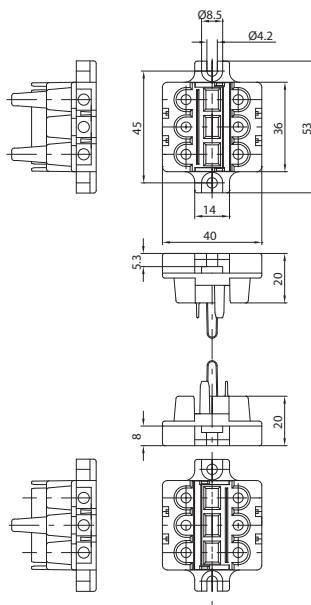
- Weight: 75 g.

Note: to tighten the clamps screws, use a screwdriver with max. diameter 3,5 mm.

- Instructions to fix the knife switch on structures.



- Fixing of the knife switch using the holes diameter 4,2 mm with center distance 45 mm (if M4 screws are used, the head-diameter should be less than 8,3 mm).



▲ Max. insertion angle

Attention: the knife switch is provided to be used in internal wiring of lighting fixtures. It is not foreseen that an installer can connect this device to the net.



KNIFE SWITCHES - DISCONNECTING DEVICES

M29A-M29HA

M29EA-M29EHA

2000



M29BA-M29BHA

M29BEA-M29BEHA

M29TA-M29THA

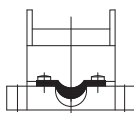
M29TEA-M29TEHA

Knife switch of line M29- with cable clamp for electrical cables with maximum diameter 13 mm, fixed in the "female" part of the knife switch.

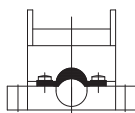


- Additional weight: +10 g.

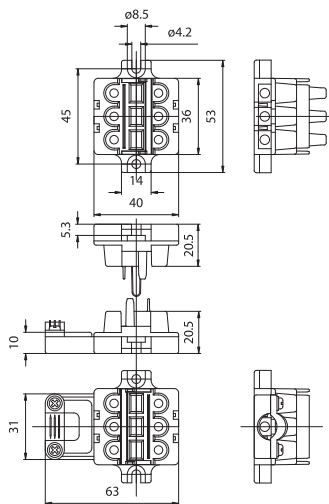
- The fastening of the cable clamp occurs by two thread-forming screws for plastic, with cross head, already inserted in the device according to the following indications:



A



B



▲ Max. insertion angle

- Cable clamp bracket in position A: allows to clamp up to three single-conductor cables with diameter 4 mm.
- Cable clamp bracket in position B: allows to clamp up to multi-conductor cables with maximum diameter 13 mm.



CONNECTING DEVICES

M50-



Type:

Rated voltage:
Rated current:
Working temperature:
Type of clamps to connect the cables:
Clamps connecting capacity:
Protection degree (IP):
In conformity to the standards:
In conformity to the requirements of the directive:

CLAMPS CONNECTION DEVICE
SOCKET + PLUG WITH 6 OR 7 POLES

400 V
16 A
T 85°C

SCREW CLAMPS
1,50 ÷ 2,50 mm²
IPOO
EN 61984

2014/35/EU



Approval marks:

- Connection device female-socket + male-plug with 6 or 7 poles:
- envelopes in PA66.
- bush screw clamps, in nickel-plated brass, with engraved-hexagon head screws in zinc-plated iron.

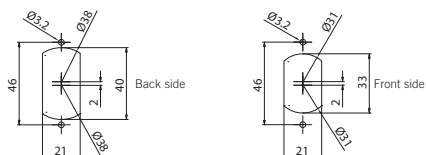
- Device suitable to connect the internal wiring of the lighting fixtures.
Due to its construction this device is especially used in applications where it is necessary to connect the wires between two lighting fixtures in modular systems where one apparatus gives the power to the next one.

- The clamp can be connected with cables arranged with stripping 6mm or crimped with end-terminal.

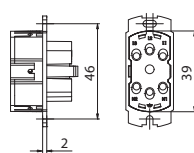
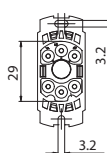
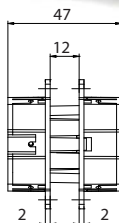
M50N/6: male-plug + female-socket with 6 poles in black PA66.

M50N/7: male-plug + female-socket with 7 poles in black PA66.

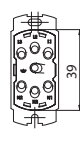
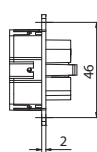
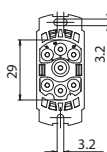
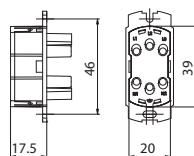
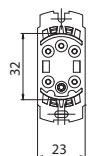
- Instructions to fix the knife switch on structures.



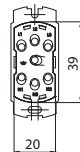
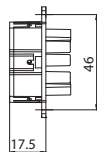
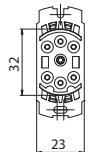
- Fixing of the device: if needed, using the two slotted holes diameter 3,2 mm with center distance 46 mm.



M50-/6



M50-/7



CONNECTING DEVICES

M55-



PATENTED

Type:

**CLAMPS CONNECTION DEVICE
SOCKET + PLUG WITH 6 POLES
WITH SELECTOR OF THE PHASES**

Rated voltage:

400 V

Rated current:

16 A (3 A from the selector)

Working temperature:

T 85°C

Type of clamps to
connect the cables:

SCREW CLAMPS

Clamps connecting capacity:

1,50 ÷ 2,50 mm²

Protection degree (IP):

IP00

In conformity to the standards:

EN 61984

In conformity to the requirements
of the directive:

2014/35/EU

Approval marks:

- Connection device female-socket + male-plug with 6 poles with line selector:
 - envelopes in PA66.
 - rotary selector of the phases in PA66 (built in the female-socket part).
 - bush screw clamps, in nickel-plated brass, with engraved-hexagon head screws in zinc-plated iron.

- Device suitable to connect the internal wiring of the lighting fixtures.

Due to its construction this device is especially used in applications where it is necessary to connect the wires between two lighting fixtures in modular systems where one apparatus gives the power to the next one.

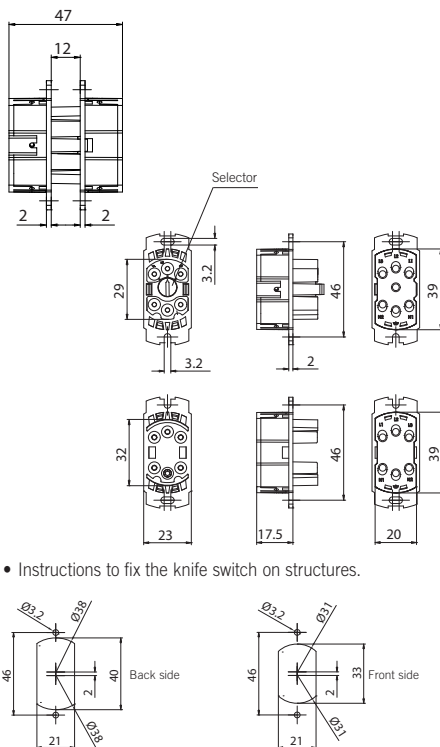
The rotary line selector gives to the installer the possibility to chose one among three available lines.

Due to the presence of the rotor on the front of the female-socket part the selection of the line can be executed even as the last operation of the installation process. When the part male-plug will be connected to the part female-socket, the rotor is not anymore touchable. If necessary, by disconnecting the male-plug from the female-socket, it is possible to select again another line without any limitations.

NOTE: the maximum current of the line coming out from the selector must be maximum 3 A.

- The clamp can be connected with cables arranged with stripping 6mm or crimped with end-terminal.

M55N: male-plug + female-socket with 6 poles in black PA66 with rotary line selector in red PA66.

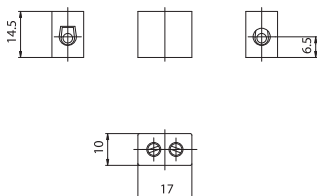


- Instructions to fix the knife switch on structures.

- Fixing of the device: if needed, using the two slotted holes diameter 3,2 mm with center distance 46 mm.



M09



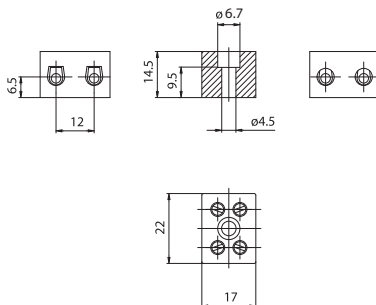
Type:
Rated voltage:
Rated current:
Working temperature:
Type of clamps:
Clamps connecting capacity:

1 POLE CLAMP
24 V
8 A
T 300°C
SCREW CLAMPS
0,50 ÷ 1,50 mm²

- Porcelain body.
Brass bush clamps.
Slot head screws in zinc-plated iron.
- Weight: 7 g.

Note: to tighten the clamps screws, use a screwdriver with max. diameter 4 mm.

M10



Type:
Rated voltage:
Rated current:
Working temperature:
Type of clamps:
Clamps connecting capacity:

2 POLES CLAMP
24 V
8 A
T 300°C
SCREW CLAMPS
0,50 ÷ 1,50 mm²

- Porcelain body.
Brass bush clamps.
Slot head screws in zinc-plated iron.
- Weight: 15 g.

Note: to tighten the clamps screws, use a screwdriver with max. diameter 4 mm.

- Eventual fixing by the central hole diameter 4,5 mm (if M4 screw is used, the head diameter has to be less than 6,5 mm).

CONNECTING DEVICES

M132-



Type:

Rated voltage:

Rated current:

Working temperature:

Type of clamps to

connect the cables:

Clamps connecting capacity:

Protection degree (IP):

In conformity to the standards:

In conformity to the requirements
of the directive:

Approval marks:

**PROTECTED JUNCTION BOX
WITH 2 OR 3 POLES**

450 V

24 A

T 125°C

SCREW CLAMPS

1,00 ÷ 2,50 mm²

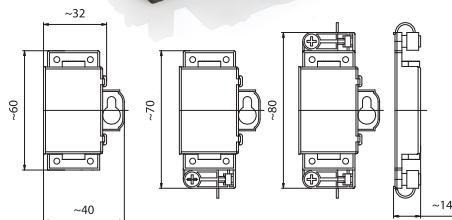
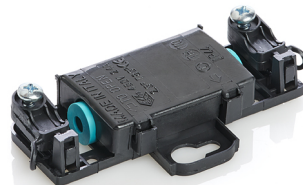
IP44 (for version with gasket)

EN 60998 and

EN 60335 (for the cable clamp)

2014/35/EU

ENEC 03



- Protected junction box with 2 or 3 poles:
 - envelope in PA66, black for the 3-pole versions and white for the 2-pole versions.
 - bush screw clamps, in nickel-plated brass, with slot screw in zinc-plated iron.
 - gasket in thermoplastic vulcanised TPE rubber with hole for cables with diameter from 5 to 10 mm (only for version M132G/-).
 - cable clamp device with thread-forming screw (accessories).

- Device suitable to connect lighting fixtures to the power net, which grants an high protection degree and with the possibility to have the double cable clamp device, suitable in applications where the junction box is not fixed or where it is necessary to grant the safety of the cable.

The cable clamp device can be connected to multi-conductor cables with external diameter between 5

- and 10 mm, arranged with unsheathing 22 mm and stripping 6 mm or crimped with end-terminal. In case of connection to single-conductor cables is available, if necessary, the gasket with blind hole (ref. art. M132C/-).

M132G0/3: junction box with 3 poles, with gaskets, without cable clamp devices, without fixing hole.

M132G0/2: junction box as above with 2 poles.

M132G1/3: junction box with 3 poles, with gaskets, with one cable clamp device, without fixing hole.

M132G1/2: junction box as above with 2 poles.

M132G2/3: junction box with 3 poles, with gaskets, with two cable clamp devices, without fixing hole.

M132G2/2: junction box as above with 2 poles.

- Snap-in fixing on structures with thickness 1,0 - 1,5 mm arranged with holes with diameter 5 mm with center distance 13 mm or by screw insertion in the holes diameter 3,2 mm

M132F0/3: junction box with 3 poles, with gaskets, without cable clamp devices, with fixing hole.

M132F0/2: junction box as above with 2 poles.

M132F1/3: junction box with 3 poles, with gaskets, with one cable clamp device, with fixing hole.

M132F1/2: junction box as above with 2 poles.

M132F2/3: junction box with 3 poles, with gaskets, with two cable clamp devices, with fixing hole.

M132F2/2: junction box as above with 2 poles.

- Fixing by lateral hole diameter 10 mm.



M120-



Type:

**CYLINDRICAL JUNCTION BOX
WITH 3 OR 5 POLES**

Rated voltage:

450 V

Rated current:

16 A

Working temperature:

T 85°C

Type of clamps to

connect the cables:

SCREW CLAMPS

Clamps connecting capacity:

1,50 ÷ 4,00 mm²

Protection degree (IP):

IP00

In conformity to the standards:

EN 60998

In conformity to the requirements
of the directive:

2014/35/EU

Approval marks:

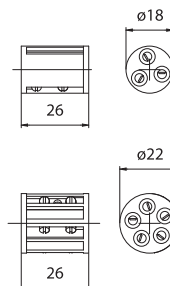
IMQ



- Cylindrical junction box with 3 or 5 poles:
- envelope in black PA66 or grey or transparent polycarbonate,
diameter 18 mm for the version with 3 poles, diameter 22 mm
per for the version with 5 poles.
- bush screw clamps, in nickel-plated brass, with slot screw in
zinc-plated iron.
- Device suitable to connect the internal wiring of the lighting
fixtures.
Especially useful for applications in cylindrical housings such
as tubes and staffs.

*Note: check if during the use, the correct air distances of the
parts under tension are respected.*

- The clamp can be connected with cables arranged with
stripping 6mm or crimped with end-terminal.



M120-/3

M120-/5

M120N/3: junction box with 3 poles in black PA66.

M120E/3: junction box with 3 poles in grey polycarbonate.

M120T/3: junction box with 3 poles in transparent polycarbonate.

M120N/5: junction box with 5 poles in black PA66.

M120E/5: junction box with 5 poles in grey polycarbonate.

M120T/5: junction box with 5 poles in transparent polycarbonate.



M123-



Type:

**CLAMPS CONNECTION DEVICE
SOCKET + PLUG WITH 3
OR 5 POLES**

Rated voltage:

400 V

Rated current:

32 A

Working temperature:

T 125°C

Type of clamps to

connect the cables:

SCREW CLAMPS

Clamps connecting capacity:

1,50 ÷ 4,00 mm²

Protection degree (IP):

IP00

In conformity to the standards:

EN 61984

In conformity to the requirements
of the directive:

2014/35/EU

Approval marks:

IMQ



- Connection device socket + plug with 3 or 5 poles:
- envelopes, plug in black PA66 and socket in red PA66 or grey or transparent polycarbonate, diameter 16 mm for the version with 3 poles, diameter 22 mm for the version with 5 poles.
- bush screw clamps, in nickel-plated brass, with slot screw in zinc-plated iron.

- Device suitable to connect the internal wiring of the lighting fixtures. Especially useful for applications in cylindrical housings such as tubes and staffs.

Note: check if during the use, the correct air distances of the parts under tension are respected.

- The clamp can be connected with cables arranged with stripping 6mm or crimped with end-terminal.

M123N/3: plug + socket with 3 poles in black PA66.

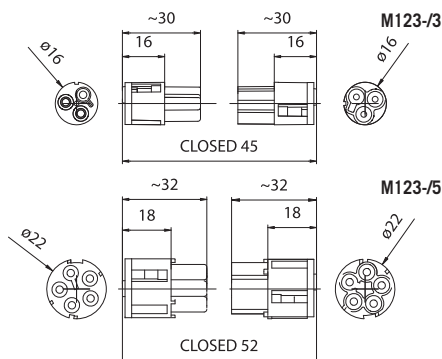
M123E/3: plug + socket with 3 poles in grey polycarbonate.

M123T/3: plug + socket with 3 poles in transparent polycarbonate.

M123N/5: plug + socket with 5 poles in black PA66.

M123E/5: plug + socket with 5 poles in grey polycarbonate.

M123T/5: plug + socket with 5 poles in transparent polycarbonate.



M124NM/3

M124NQ/3



Type:

PROTECTED CONNECTION DEVICE SOCKET + PLUG WITH 3 POLES

Rated voltage:
Impulse voltage:
Rated current:
Working temperature:
Type of clamps to
connect the cables:
Clamps connecting capacity:
Protection degree (IP):
In conformity to the standards:
In conformity to the requirements
of the directive:

250 V
5 kV
8 A
T 120°C

CRIMPED
0,75 ÷ 1,50 mm²
IP40
EN 61984

2014/35/EU

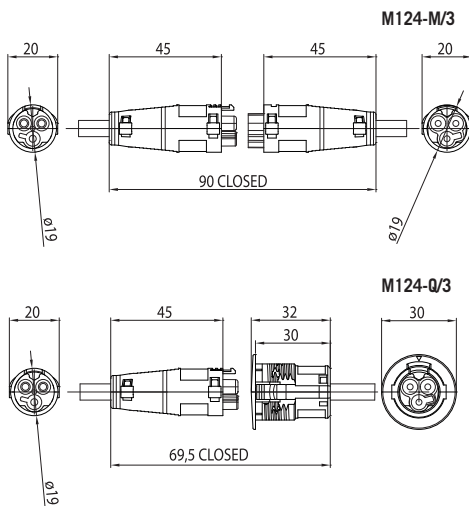


Approval marks:

- Protected connection device socket + plug with 3 poles with cable clamp and safe closure of the device against accidental opening:
 - external envelope to hold the male plug in black PA66.
 - external envelope to hold the female socket in black PA66.
 - housing parts for the contacts in PA66.
 - "cylindrical" terminals connected (or to be crimped) to the cables.
 - cable-clamp devices to fix the cables from diameter 6 mm to diameter 10 mm.
 - envelope to hold the female socket to fix in panels (accessory).
- Device suitable to connect lighting fixtures to the power net or to accessories such as ballast for discharge lamps. It is also available the version with female socket to fix in panels.
- The device can be connected to multi-conductor cables, arranged with stripping 15 cm and crimped with cylindrical terminals (for the cables, refer to "Section 9" of this catalogue).

M124NM/3: male plug with external envelope and cable-clamps, + female socket, with external envelope and cable-clamps, with 3 poles.

M124NQ/3: male plug with external envelope and cable-clamps, + female socket, with external envelope to fix in panels, with 3 poles.



CONNECTING DEVICES

M124NC/3

M124NP/3



Type:

**PROTECTED CONNECTION DEVICE
SOCKET + PLUG WITH 3 POLES**

Rated voltage:
Impulse voltage:
Rated current:
Working temperature:
Type of clamps to
connect the cables:
Clamps connecting capacity:
Protection degree (IP):
In conformity to the standards:
In conformity to the requirements
of the directive:

**250 V
5 kV
32 A
T 120°C**

**SCREW CLAMPS
1,50 ÷ 4,00 mm²
IP40
EN 61984**

2014/35/EU

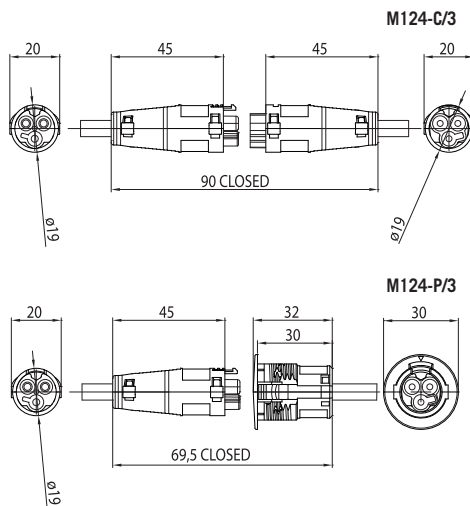


Approval marks:

- Protected connection device socket + plug with 3 poles with cable clamp and safe closure of the device against accidental opening:
 - external envelope to hold the male plug in black PA66.
 - external envelope to hold the female socket in black PA66.
 - housing parts for the contacts in PA66.
 - bush-clamps with screws with slot head.
 - cable-clamp devices to fix the cables from diameter 6 mm to diameter 10 mm.
 - envelope to hold the female socket to fix in panels (accessory).
- Device suitable to connect lighting fixtures to the power net or to accessories such as ballast for discharge lamps. It is also available the version with female socket to fix in panels.
- The device can be connected to multi-conductor cables, arranged with stripping 15 cm and crimped with cylindrical terminals (for the cables, refer to "Section 9" of this catalogue).

M124NC/3: male plug with external envelope and cable-clamps, + female socket, with external envelope and cable-clamps, with 3 poles.

M124NP/3: male plug with external envelope and cable-clamps, + female socket, with external envelope to fix in panels, with 3 poles.



M140-



Type:

Rated voltage:
Impulse voltage:
Rated current:

Working temperature:

Type of clamps to
connect the cables:
Clamps connecting
connect the cables:
Protection degree (IP):

In conformity to the standards:

In conformity to the requirements
of the directive:

Approval marks:

WATERTIGHT CLAMPS CONNECTION DEVICE WITH 3 OR 5 POLES

450 V
6 kV
25 A (3 poles)
16 A (5 poles)
T -20°C + 85°C

SCREW CLAMPS

1,50 ÷ 4,00 mm²
IP68 (0,5 bar)
EN 60998 and
EN 60335 (for the cable gland)

2014/35/EU

IMQ



- Watertight clamps connection device with 3 or 5 poles:
 - external envelope in black PA66 or in transparent polycarbonate.
 - housing parts for the contacts in PA66.
 - bush screw clamps, in nickel-plated brass, with slot screw in zinc-plated iron..
 - gaskets in thermoplastic SEBS rubber.
 - cable gland in black PA66.

- Device suitable to connect lighting fixtures to the power net, which grants an high protection degree against water.

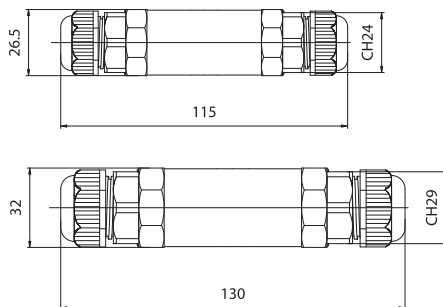
- The cable clamp device can be connected to multi-conductor cables, arranged with unsheathing 25 mm and stripping 6 mm or crimped with end-terminal (for the cables, refer to "Section 9" of this catalogue - suggested cables with external sheath in neoprene rubber).

M140MN/3: clamps connection device with 3 poles, diameter 26,5 mm, length 115 mm with cable gland hexagonal 24 mm for cables diameter between 5 and 13 mm.

M140MT/3: version with envelope in transparent polycarbonate.

M140MN/5: clamps connection device with 5 poles, diameter 32 mm, length 130 mm with cable gland hexagonal 29 mm for cables diameter between 8 and 17 mm.

M140MT/5: version with envelope in transparent polycarbonate.



CONNECTING DEVICES

M145-



Type:

Rated voltage:
Impulse voltage:
Rated current:
Working temperature:
Type of clamps to
connect the cables:
Clamps connecting capacity:
Protection degree (IP):
In conformity to the standards:

**WATERTIGHT CLAMPS
CONNECTION DEVICE SOCKET +
PLUG WITH 3 OR 5 POLE**

**400 V
6 kV
25 A
T -20°C + 85°C**

**SCREW CLAMPS
1,50 ÷ 4,00 mm²
IP68 (0,5 bar)
EN 61984 and
EN 60335 (for the cable gland)**

In conformity to the requirements
of the directive:

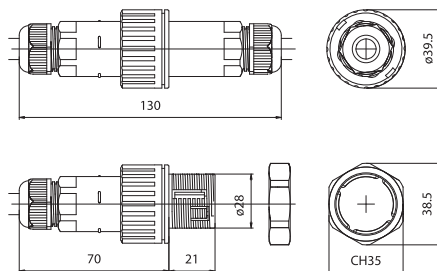
2014/35/EU

Approval marks:

IMQ



- Watertight connection device plug + socket with 3 or 5 poles and safety ring:
 - external envelope, male and female, in black PA66.
 - housing parts for the contacts, male and female, in PA66.
 - bush screw clamps, in nickel-plated brass, with slot screw in zinc-plated iron.
 - gasket in thermoplastic vulcanised TPE.
 - hexagonal cable gland in black PA66, key 24 mm, for cables between 5 and 14 mm.
 - envelope to hold the female socket to fix in panels (accessory).
- Device suitable to connect lighting fixtures, in order to enable the installer to disconnect, for maintenance or substitution, the lighting fixtures from the main power.



- M145N/3:** male plug + female socket, with 3 poles, with safety ring and cable gland.
- M145P/3:** version as above with female socket with back side with special thread diameter 28 mm to be fixed in the holes, faceted in order to prevent the rotation, using hexagonal nut 35 mm in PA66.
- M145TP:** cap to protect the male plug during the maintenance.

- M145N/5:** male plug + female socket, with 5 poles, with safety ring and cable gland.
- M145P/5:** version as above with female socket with back side with special thread diameter 28 mm to be fixed in the holes, faceted in order to prevent the rotation, using hexagonal nut 35 mm in PA66.
- M145TP:** cap to protect the male plug during the maintenance.

- The cable clamp device can be connected to multi-conductor cables, arranged with unsheathing 50 mm and stripping 6 mm or crimped with end-terminal (for the cables, refer to "Section 9" of this catalogue - suggested cables with external sheath in neoprene rubber).



M99

2001



Type:

2 LINES WATERTIGHT
CONNECTION DEVICE

Connection:

nr. 1 line in
nr. 1 line out
250 V

Rated voltage:

Rated current:

10 A

Working temperature:

Protection degree (IP):

T -20°C + 90°C

In conformity to the standards:

IP68

In conformity to the requirements
of the directive:

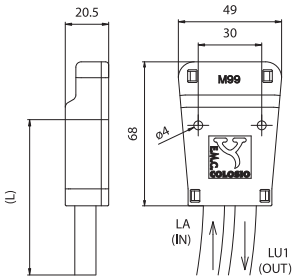
EN60598 (as far as applicable)

2014/35/EU

Approval marks:



- Watertight connection device:
 - external envelope in PA66.
 - internally resinated.
- Device useful to connect lighting fixtures for outdoor applications.
- Device useful to stop the penetration of humidity caused by the depression created in the lighting fixtures during the cooling process of the lamp (when humidity penetrates in the lighting fitting from outside through the power cable).



- Cables connected to the device:

Insulation	Shape	Section	Temperature	Type	cod./page
NEOPRENE + NEOPRENE BLACK	round	3 x 1,50 mm ²	T90°C	H07RN-F	NC35N (page 9049)
SILICONE + NEOPRENE BLACK	round	3 x 1,50 mm ²	T90°C (T180°C for the cores)		NS35N (page 9050)

- The employment of this device allows also the use of cables with technical features of superior quality for example silicone + rubber, on the part of cable to be connected to the lighting fixtures and a cable with technical features of inferior quality, usually rubber + rubber, for the part of cable to be connected to the power.
- Lengths of the cables connected to the device (LA and LU1) and free-hands workings of the cable on customer's request.
- On request it is also possible to customize the external envelope with the logo of the customer.



CONNECTING DEVICES

M98

2005



Type:

Connection:

Rated voltage:

Rated current:

Working temperature:

Type of clamps to

connect the cables:

Clamps connecting

connect the cables:

Protection degree (IP):

In conformity to the standards:

In conformity to the requirements
of the directive:

Approval marks:

3 LINES WATERTIGHT CONNECTION DEVICE

nr. 1 line in
nr. 2 lines out

500 V

17,5 A

T -20°C + 60°C

SCREW CLAMPS

1,50 mm²

IP68 (0,5 bar)

EN 60998

EN 60335 (for the cable gland)

EN 50262 (for the cable gland)

2014/35/EU



- Watertight connection device:
 - external envelope in PA66.
 - gasket in thermoplastic vulcanised TPE.
 - cable glands with gaskets in TPE for cables with diameter between 6 and 11 mm.
 - cable clamps in nickel-plated brass with engraved-hexagon head screws in zinc-plated iron.
 - screws to close the device in stainless steel.

- Device useful to connect the power cable (mains power) with two exit cables (parallel connection of lighting fixtures) suitable for lighting fixtures in outdoor applications.

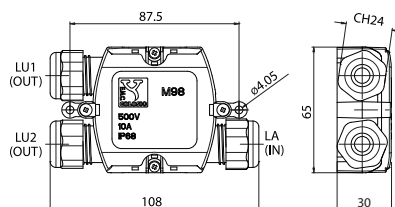
M98V: device version supplied without connected cables.

M98C: device version supplied with connected cables (Type, lengths and workings according to customer's request).

M98R: device version supplied with connected cables and internal resinated part of the sole exit cable "LU1" (Type, lengths and workings according to customer's request).

M98L: device version supplied with sole resinated exit cable connected to "LU1" (Type, lengths and workings according to customer's request). The power cable "LA" and the other exit cable "LU2", used to make the parallel connection, are left free to allow the connection of the installer.

- Device useful to stop the penetration of humidity caused by the depression created in the lighting fixtures during the cooling process of the lamp (when humidity penetrates in the lighting fitting from outside through the power cable).

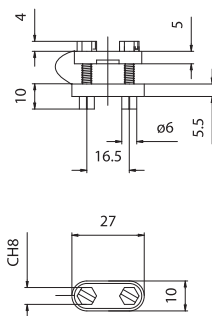


- The device can be connected to multi-conductor cables unsheathed 35 mm and stripping 6 mm or crimped end-terminals (for the cables, see "Section 9 - cables" of this catalogue - suggested cables with external sheath in neoprene rubber as per table here below).
- Lengths of the cables connecting to the device (LA, LU1 and LU2) and free-hands workings of the cable on customer's request.

Insulation	Shape	Section	Temperature	Type	cod./page
NEOPRENE + NEOPRENE BLACK	round	3 x 1,50 mm ²	T90°C	H07RN-F	NINGN (page 9049)
SILICONE + NEOPRENE BLACK	round	3 x 1,50 mm ²	T90°C (T180°C for the cores)		NS35N (page 9050)



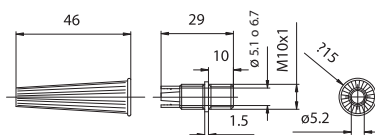
760



760: Cable clamp in natural PA66 T-20 +T125°C suitable to clamp cables with diameter between 3 and 10 mm.

- Fixing tightening the two plastic screws positioning the device on structures, thickness 0,8 - 2,5 mm, pre-arranged with holes diameter 6 mm with center distance 16,5 mm.

432



- **Cable clamp** in plastic material with male thread M10 x1.

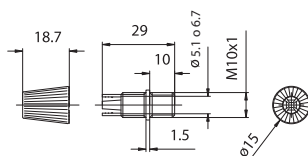
432GH-: ring part of the cable clamp.

430--: part of cable clamp body with hole diameter 5,1 mm. Suitable to clamp cables with diameter between diameter 4,3 and 5,0 mm.

430/5-: part of cable clamp body with hole diameter 6,7 mm. Suitable to clamp cables with diameter between diameter 4,8 and 6,5 mm.

- Available colours:
T = transparent, in polycarbonate
B = white, in PA66
N = black, in PA66

430



- **Cable clamp** in plastic material with male thread M10 x1.

430GH-: ring part of the cable clamp.

430-: part of cable clamp body with hole diameter 5,1 mm.
Suitable to clamp cables with diameter between diameter 4,3 and 5,0 mm.

430/5-: part of cable clamp body with hole diameter 6,7 mm.
Suitable to clamp cables with diameter between diameter 4,8 and 6,5 mm.

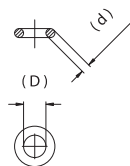
- Available colours:

T = transparent, in polycarbonate

B = white, in PA66

N = black, in PA66

1063



- 1063-:** "O" rings in transparent silicone.

Normally used to hold the power cables close to the suspension device.

Article	D	d
1063	4,48 mm	1,78 mm
1063/2	1,8 mm	1,78 mm
1063/3	2,9 mm	1,78 mm
1063/4	3,7 mm	1,78 mm
1063/5	5,3 mm	1,78 mm
1063/6	6,7 mm	1,78 mm
1063/7	7,7 mm	1,78 mm
1063/8	8,8 mm	1,78 mm

- Other dimensions on request.

BRASS JOINTS

R1

2001

PATENTED

BRASS JOINTS WITH EXTERNAL DIAMETER 10 MM:

R1F8M8G36:

Joint in raw brass with external diameter 10 mm, length 32,5 mm (L), with stem rotation at 360° with female thread M8 x1 and rotation of the front side at 90° with male thread M8 x1.

R1F8F8G36:

Joint in raw brass with external diameter 10 mm, length 32,5 mm (L), with stem rotation at 360° with female thread M8 x1 and rotation of the front side at 90° with female thread M8 x1.

R1M8M8G27:

Joint in raw brass with external diameter 10 mm, length 23,5 mm (L), with stem rotation at 360° with male thread M8 x1 and rotation of the front side at 90° with male thread M8 x1.

Internal hole for cables: 4,0 mm.

Retaining weight: 0,8 – 1,2 Kg at 1 cm
Standard finishing: G = raw
Other finishings: N = nickel-plated
 C = chrome-plated
 O = gold-plated

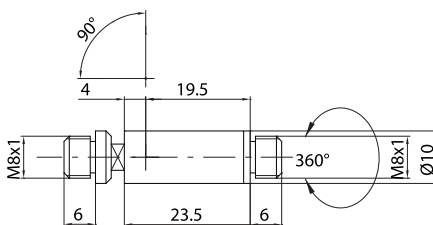
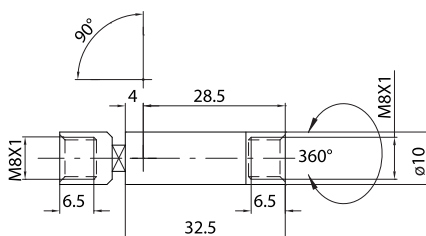
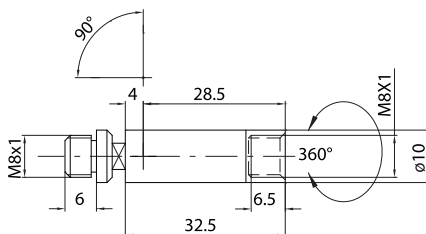
• Weight: 15 g

Note: the female nipple part can be arranged with lateral hole with thread M3 to be used for the insertion of a grub screw to block the nipple.

Note: this threaded joint is built in such a way, which allows to realize the movable part on customer's request.

The construction permits to realize directly a part of the "body of the lighting fixture", which becomes the movable part of the joint itself.

In this way, it is anymore necessary to realize structures where, in order to connect the structure to the joint, is necessary to combine nipple male and female.



BRASS JOINTS

R3

2001

PATENTED

BRASS JOINTS WITH EXTERNAL DIAMETER 13 MM:

R3F1M1G36:

Joint in raw brass with external diameter 13 mm, length 36,5 mm (L), with stem rotation at 360° with female thread M10 x1 and rotation of the front side at 90° with male thread M10 x1.

R3F1F1G36:

Joint in raw brass with external diameter 13 mm, length 36,5 mm (L), with stem rotation at 360° with female thread M10 x1 and rotation of the front side at 90° with female thread M10 x1.

R3M1M1G27:

Joint in raw brass with external diameter 13 mm, length 27,5 mm (L), with stem rotation at 360° with male thread M10 x1 and rotation of the front side at 90° with male thread M10 x1.

Internal hole for cables: 5,1 mm.

Retaining weight: 2,5 – 4 Kg at 1 cm

Standard finishing:

Other finishings:

G = raw

N = nickel-plated

C = chrome-plated

O = gold-plated

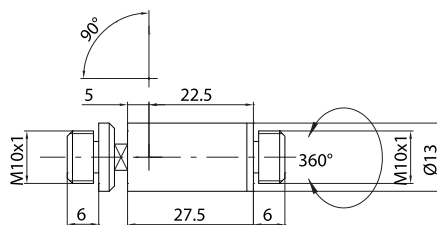
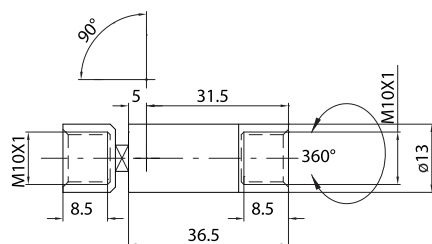
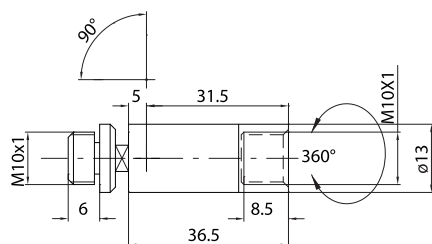
- Weight: 28 g

Note: the female nipple part can be arranged with lateral hole with thread M3 to be used for the insertion of a grub screw to block the nipple.

Note: this threaded joint is built in such a way, which allows to realize the movable part on customer's request.

The construction permits to realize directly a part of the "body of the lighting fixture", which becomes the movable part of the joint itself.

In this way, it is anymore necessary to realize structures where, in order to connect the structure to the joint, is necessary to combine nipple male and female.



BRASS JOINTS

R6

2001

PATENTED

BRASS JOINTS WITH EXTERNAL DIAMETER 16 MM:

R6F1M1G36:

Joint in raw brass with external diameter 16 mm, length 40,5 mm (L), with stem rotation at 360° with female thread M10 x1 and rotation of the front side at 90° with male thread M10 x1.

R6F1F1G36:

Joint in raw brass with external diameter 16 mm, length 40,5 mm (L), with stem rotation at 360° with female thread M10 x1 and rotation of the front side at 90° with female thread M10 x1.

R6M1M1G27:

Joint in raw brass with external diameter 16 mm, length 31,5 mm (L), with stem rotation at 360° with male thread M10 x1 and rotation of the front side at 90° with male thread M10 x1.

Internal hole for cables:

6,5 mm.

Retaining weight:

3,8 – 6 Kg at 1 cm

Standard finishing:

G = raw

Other finishings:

N = nickel-plated

C = chrome-plated

O = gold-plated

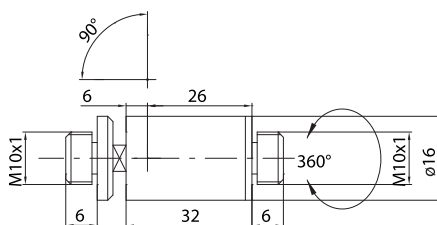
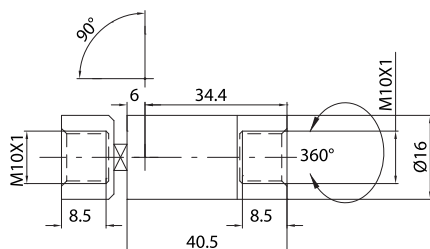
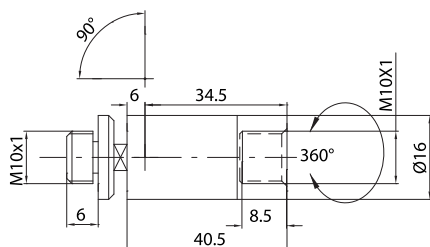
- Weight: 45 g

Note: the female nipple part can be arranged with lateral hole with thread M3 to be used for the insertion of a grub screw to block the nipple.

Note: this threaded joint is built in such a way, which allows to realize the movable part on customer's request.

The construction permits to realize directly a part of the "body of the lighting fixture", which becomes the movable part of the joint itself.

In this way, it is anymore necessary to realize structures where, in order to connect the structure to the joint, is necessary to combine nipple male and female.





SECTION 8

PLUGS:

CONNECTOR FOR LEDS POWER ADAPTERS:

Art. **M79** *page 805*

EUROPEAN BIPOLAR 2,5A:

Art. **M62** *page 807*

SCHUKO 2 POLES + GROUND 10A:

Art. **M65** *page 809*

ITALIAN 2 POLES + GROUND 10A:

Art. **M63** *page 806*

SCHUKO BIPOLAR 10A:

Art. **M61** *page 808*

SCHUKO "ANTISPLASH" 2 POLES:

Art. **M76** *page 810*

SCHUKO "ANTISPLASH" 2 POLES + GROUND:

Art. **M66** *page 811*

"SWISS" 2 POLES + GROUND:

Art. **M74** *page 813*

USA BIPOLAR:

Art. **M64** *page 815*

USA 2 POLES + GROUND:

Art. **M69** *page 814*

CONNECTORS:

Art. **M68** *page 816*

Art. **M67** *page 817*

ITALIAN EXTENSION, PLUG + SOCKET 2 POLES + GROUND:

Art. **M82** *page 812*

SWITCHES:

Art. **M85** *page 819*

Art. **M88** *page 818*

Art. **M95** *page 819*

CABLES TERMINALS:

pages 820-25



**PLUGS - SWITCHES
CABLES TERMINALS**





PLUGS - CONNECTORS FOR LEDS POWER ADAPTERS

M79-

2011

Plug - Connector:

BIPOLAR
2 poles

Rated voltage:

48 V

Rated current:

2 A

Insulation class:

III

Type of clamps for

CRIMPED CLAMPS

cables connection:

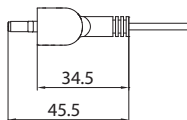
Cable exit:

AXIAL

Protection degree:

IP20

Approval marks:



• Table of the **two poles** cables connected to the plug:

Insulation	Shape	Sections	Dimension mm	Code/Page
PVC + PVC	round	2x 0,35 mm ²	Ø 4,0	RL29- (page 9112)
PVC + PVC	round	2x 0,50 mm ²	Ø 4,8	RL20- (page 9112)
PVC + PVC	flat	2x 0,35 mm ²	4,0 x 2,5	RLP9- (page 9112)
PVC + PVC	flat	2x 0,50 mm ²	4,8 x 3,0	RLP0- (page 9112)
FEP + PVC	round	2x 0,35 mm ²	Ø 3,6	MTV9- / BTV9- (page 9114)
FEP + PVC	round	2x 0,35 mm ²	Ø 3,6	BT29Q / MT29Q (page 9113)
FEP + PVC	round	2x 0,50 mm ²	Ø 3,9	MTV0- / BTV0- (page 9114)
FEP + PVC	round	2x 0,50 mm ²	Ø 3,9	BT20Q / MT20Q (page 9113)
FEP + PVC	flat	2x 0,35 mm ²	3,6 x 2,4	MTD9- / BTD9- (page 9114)
FEP + PVC	flat	2x 0,35 mm ²	3,6 x 2,4	BTP9Q / MTP9Q (page 9113)
FEP + PVC	flat	2x 0,50 mm ²	4,2 x 2,7	MTD0- / BTD0- (page 9114)
FEP + PVC	flat	2x 0,50 mm ²	4,2 x 2,7	BTP0Q / MTP0Q (page 9113)

• In the transparent cables the polarization of the core(s) is realized with line(s) of different colour(s)

• Table of the **coaxial** cables connected to the plug:

Insulation	Shape	Sections	Dimension mm	Code/Page
SILICONE + PVC	round	2 x 0,50 mm ²	Ø 3,5	GK20- (page 9108)
FEP + PVC	round	2 x 0,35 mm ²	Ø 2,7	BE29 (page 9106)
FEP + PVC	round	2 x 0,50 mm ²	Ø 3,2	BE20 (page 9106)
FEP + PVC	round	2 x 0,75 mm ²	Ø 2,8	BE27- (page 9106)
FEP + PVC EXTRA-FLEXIBLE	round	2 x 0,50 mm ²	Ø 2,7	BK20- (page 9107)

• Body in injected thermoplastic PVC.

• Table of the available colours:

N = black

B = white

E = grey



M63-



Plug:

Rated voltage:
Rated current:
Insulation class:
Type of clamps for
cables connection:
Cable exit:
Protection degree:
In conformity to the standards:

Approval marks:

"ITALIAN" THREE-POLE
2 poles + ground

250 V
10 A
I

CRIMPED CLAMPS
AXIAL
IP20
CEI 23-50

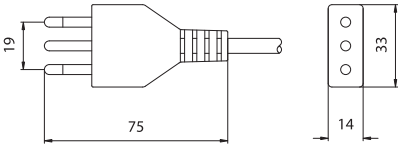
IMQ
(only for the harmonized cables)



• Tables of the cables connected to the plug:

Transparent plug version, without IMQ approval:

Insulation	Shape	Sections	Temperature	Type	cod./page
PVC + PVC TRANSPARENT	round	3 x 0,75 mm ²	T70°C	FROR	RS37T (page 9057)
PVC + PVC TRANSPARENT	round	3 x 0,75 mm ²	T70°C	FROR	RB37T (page 9056)
FEP + PVC TRANSPARENT	round	3 x 0,75 mm ²	T70°C (T180°C cores)	FR5FOR	BS37T (page 9063)



Coloured plug version, with IMQ approval:

Insulation	Shape	Sections	Temperature	Type	cod./page
PVC + PVC B - N - E	round	3 x 0,75 mm ²	T70°C	H03W-F	RR37- (page 9053)
PVC + PVC B - N - E	round	3 x 0,75 mm ²	T70°C	H05W-F	RC37- (page 9055)
PVC + PVC B - N - E	round	3 x 1,00 mm ²	T70°C	H05W-F	RC31- (page 9055)

• Body in injected thermoplastic PVC.
Nickel-plated brass contacts.

• Table of the available colours:

T = transparent

B = white

N = black

E = grey

- Other colours on request.



PLUGS

M62-

1998



Plug:

"EUROPEAN" BIPOLAR
2 poles

Rated voltage:

250 V

Rated current:

2,5 A

Insulation class:

II

Type of clamps for

cables connection:

CRIMPED CLAMPS

Cable exit:

AXIAL

Protection degree:

IP20

In conformity to the standards:

EN 50075

Approval marks:

ENEC 03

(for the harmonized cables)

IMQ

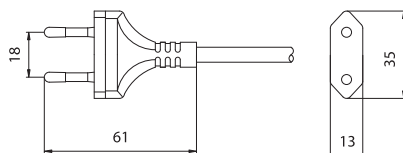
(for the transparent cables)



- Tables of the cables connected to the plug:

Transparent plug version, with IMQ approval:

Insulation	Shape	Sections	Temperature	Type	cod./page
PVC + PVC TRANSPARENT	flat	2 x 0,75 mm ²	T70°C	FRDR	RSP7T (page 9057) RBP7T (page 9056)
PVC + PVC TRANSPARENT	round	2 x 0,75 mm ²	T70°C	FROR	RS27T (page 9057) RB27T (page 9056)
FEP + PVC TRANSPARENT	flat	2 x 0,75 mm ²	T70°C (T180°C cores)	FR5FOR	BSP7T (page 9063)
FEP + PVC TRANSPARENT	round	2 x 0,75 mm ²	T70°C (T180°C cores)	FR5FOR	BS27T (page 9063)
FEP + PVC TRANSPARENT	round	2 x 0,75 mm ²	T70°C (T180°C cores)	FR5FOR	BZ27T (page 9069)



- Body in injected thermoplastic PVC.
Nickel-plated brass contacts.

Coloured plug version, with ENEC approval:

Insulation	Shape	Sections	Temperature	Type	cod./page
PVC + PVC B - N - E	flat	2 x 0,75 mm ²	T70°C	H3W42-F	RRP7- (page 9053)
PVC + PVC B - N - E	round	2 x 0,75 mm ²	T70°C	H03W-F	RR27- (page 9053)
PVC + PVC B - N - E	flat	2 x 0,75 mm ²	T90°C	H3N2Q2-F	RHP7- (page 9052)
PVC + PVC B - N - E	round	2 x 0,75 mm ²	T90°C	H3N2Q2-F	RH27- (page 9052)
PVC + PVC B - N - E	round	2 x 0,75 mm ²	T70°C	H05W-F	RC27- (page 9055)
PVC + PVC B - N - E	flat	2 x 0,75 mm ²	T70°C	H05W42-F	RCP7- (page 9055)

- Table of the available colours:

T = transparent

B = white

N = black

E = grey

- Other colours on request.

Note: it is possible supply the plug with already connected cables and switches.



M61-



Plug:

BIPOLAR "SCHUKO"
2 poles

Rated voltage:

250 V

Rated current:

16 A C.A.

Insulation class:

I

Type of clamps for

cables connection:

CRIMPED CLAMPS

Cable exit:

AXIAL

Protection degree:

IP20

In conformity to the standards:

CEI 23-50

Approval marks:

IMQ

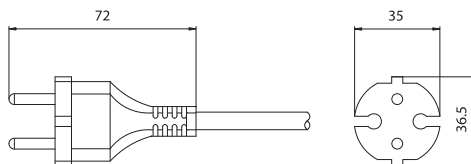
(only for the harmonized cables)



- Tables of the cables connected to the plug:

Transparent plug version, without IMQ approval:

Insulation	Shape	Sections	Temperature	Type	cod./page
PVC + PVC TRANSPARENT	flat	2 x 0,75 mm ²	T70°C	FRDR	RSP7T (page 9057)
PVC + PVC TRANSPARENT	flat	2 x 0,75 mm ²	T70°C	FRDR	RBP7T (page 9056)
PVC + PVC TRANSPARENT	round	2 x 0,75 mm ²	T70°C	FROR	RS27T (page 9057)
FEF + PVC TRANSPARENT	flat	2 x 0,75 mm ²	T70°C (T180°C cores)	FRSFDR	BSP7T (page 9063)
FEF + PVC TRANSPARENT	round	2 x 0,75 mm ²	T70°C (T180°C cores)	FRSFOR	BS27T (page 9063)



Coloured plug version, with IMQ approval:

Insulation	Shape	Sections	Temperature	Type	cod./page
PVC + PVC B - N - E	flat	2 x 0,75 mm ²	T70°C	H03WH2-F	RBP7. (page 9053)
PVC + PVC B - N - E	round	2 x 0,75 mm ²	T70°C	H03WH-F	RR27. (page 9053)

- Body in injected thermoplastic PVC.
Nickel-plated brass contacts.

- Table of the available colours:

T = transparent

B = white

N = black

E = grey

- Other colours on request.

PLUGS

M65-

1998



Plug:

"SCHUKO"
2 poles + ground

Rated voltage:

250 V

Rated current:

16 A C.A.

Insulation class:

I

Type of clamps for

cables connection:

CRIMPED CLAMPS

Cable exit:

SQUARE (90°)

Protection degree:

IP20

In conformity to the standards:

CEI 23-50

Approval marks:

IMQ



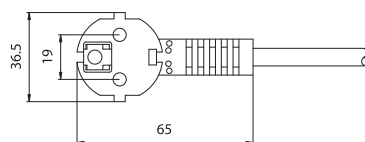
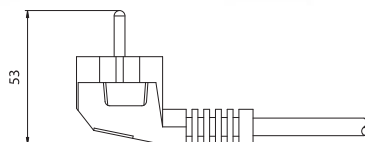
- Tables of the cables connected to the plug:

Transparent plug version, with IMQ approval:

Insulation	Shape	Sections	Temperature	Type	cod./page
PVC + PVC TRANSPARENT	round	3 x 0,75 mm ²	T70°C	FROR	RS37T (page 9057)
PVC + PVC TRANSPARENT	round	3 x 0,75 mm ²	T70°C	FROR	RB37T (page 9056)
FEP + PVC TRANSPARENT	round	3 x 0,75 mm ²	T70°C (T180°C cores)	FR5FOR	BS37T (page 9063)

Coloured plug version, with IMQ approval:

Insulation	Shape	Sections	Temperature	Type	cod./page
PVC + PVC B - N - E	round	3 x 0,75 mm ²	T70°C	H03W-F	RR37- (page 9053)
PVC + PVC B - N - E	round	3 x 0,75 mm ²	T70°C	H05W-F	RC37- (page 9052)
PVC + PVC B - N - E	round	3 x 1,00 mm ²	T70°C	H05W-F	RC31- (page 9055)
PVC + PVC B - N - E	round	3 x 1,50 mm ²	T70°C	H05W-F	RC35- (page 9055)
NEOPRENE + NEOPRENE	round	3 x 1,00 mm ²	T60°C	H07RN-F	NN31- (page 9049)



- Body in injected thermoplastic PVC.
Nickel-plated brass contacts.

- Table of the available colours:
T = transparent
B = white
N = black
E = grey
- Other colours on request.



M76-

Plug: "SCHUKO ANTISPLASH"
2 poles

Rated voltage: 250 V
Rated current: 16 A C.A.
Insulation class: II

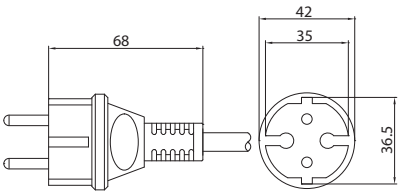
Type of clamps for cables connection: CRIMPED CLAMPS
Cable exit: AXIAL
Protection degree: IP44
In conformity to the standards: CEI 23-50

Approval marks:



• Table of the cables connected to the plug:

Insulation	Shape	Sections	Temperature	Type	cod./page
NEOPRENE + NEOPRENE	round	2 x 0,75 mm ²	T60°C	H05RN-F	NC27- (page 9048)
NEOPRENE + NEOPRENE	round	2 x 1,00 mm ²	T60°C	H05RN-F	NC21- (page 9048)
NEOPRENE + NEOPRENE	round	2 x 1,00 mm ²	T60°C	H07RN-F	NV21- (page 9049)
NEOPRENE + NEOPRENE	round	2 x 1,50 mm ²	T60°C	H07RN-F	NV25- (page 9049)



• Body in injected thermoplastic PVC.
Nickel-plated brass contacts.

• Table of the available colours:
N = black
- Other colours on request.



PLUGS

M66-



Plug:

"SCHUKO ANTISPLASH"
2 poles + ground

Rated voltage:
Rated current:
Insulation class:
Type of clamps for
cables connection:
Cable exit:
Protection degree:
In conformity to the standards:

250 V
16 A C.A.
I

CRIMPED CLAMPS
AXIAL
IP44
CEI 23-50

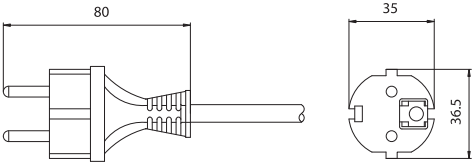
Approval marks:

IMQ



• Table of the cables connected to the plug:

Insulation	Shape	Sections	Temperature	Type	cod./page
NEOPRENE + NEOPRENE	round	3 x 0,75 mm ²	T60°C	H05RN-F	NC37- (page 9048)
NEOPRENE + NEOPRENE	round	3 x 1,00 mm ²	T60°C	H05RN-F	NC31- (page 9048)
NEOPRENE + NEOPRENE	round	3 x 1,00 mm ²	T60°C	H07RN-F	NN31- (page 9049)
NEOPRENE + NEOPRENE	round	3 x 1,50 mm ²	T60°C	H07RN-F	NN35- (page 9049)



• Body in injected thermoplastic PVC.
Nickel-plated brass contacts.

• Table of the available colours:
N = black
- Other colours on request.



M82-

Plug + socket:

Rated voltage:
Rated current:
Insulation class:
Type of clamps for
cables connection:
Cable exit:
Protection degree:
In conformity to the standards:

**PLUG + SOCKET "ITALIAN THREE-POLE
EXTENSION" 2 poles + ground**

**250 V
10 A
I**

**CRIMPED CLAMPS
AXIAL
IP20
CEI 23-16**



Approval marks:

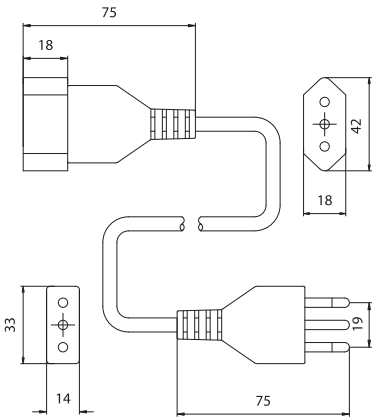
• Tables of the cables connected to the plug:

Transparent plug version:

Insulation	Shape	Sections	Temperature	Type	cod./page
PVC + PVC TRANSPARENT	round	3 x 0,75 mm ²	T70°C	FROR	RS37T (page 9057)
PVC + PVC TRANSPARENT	round	3 x 0,75 mm ²	T70°C	FROR	RB37T (page 9056)
FEP + PVC TRANSPARENT	round	3 x 0,75 mm ²	T70°C (T180°C cores)	FR5FOR	BS37T (page 9063)

Coloured plug version:

Insulation	Shape	Sections	Temperature	Type	cod./page
PVC + PVC B - N - E	round	3 x 0,75 mm ²	T70°C	H03W-F	RR37- (page 9053)
PVC + PVC B - N - E	round	3 x 0,75 mm ²	T90°C	H03V2V2-F	RH37- (page 9052)
PVC + PVC B - N - E	round	3 x 0,75 mm ²	T70°C	H05W-F	RC37- (page 9055)



• Plug in PVC thermoplastic material.
Socket in PA66.
Nickel-plated brass contacts.

• Table of the available colours:
T = transparent
B = white
N = black
E = grey
- Other colours on request.



PLUGS

M74-

Plug:

“SWISS”
2 poles + ground

Rated voltage:

250 V

Rated current:

10 A C.A.

Insulation class:

I

Type of clamps for

CRIMPED CLAMPS

cables connection:

AXIAL

Cable exit:

IP20

Protection degree:

SEV 1011-98

In conformity to the standards:

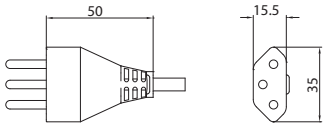
Approval marks:



• Tables of the cables connected to the plug:

Transparent plug version:

Insulation	Shape	Sections	Temperature	Type	cod./page
PVC + PVC TRANSPARENT	round	3 x 0,75 mm ²	T70°C	FROR	RS37T (page 9057)
PVC + PVC TRANSPARENT	round	3 x 0,75 mm ²	T70°C	FROR	RB37T (page 9056)
FEP + PVC TRANSPARENT	round	3 x 0,75 mm ²	T70°C (T180°C cores)	FR5FOR	BS37T (page 9063)



Coloured plug version:

Insulation	Shape	Sections	Temperature	Type	cod./page
PVC + PVC B - N - E	round	3 x 0,75 mm ²	T70°C	H03W-F	RR37- (page 9053)
PVC + PVC B - N - E	round	3 x 0,75 mm ²	T70°C	H05W-F	RC37- (page 9052)
PVC + PVC B - N - E	round	3 x 1,00 mm ²	T70°C	H05W-F	RC31- (page 9055)
PVC + PVC B - N - E	round	3 x 1,50 mm ²	T70°C	H05W-F	RC35- (page 9055)
NEOPRENE + NEOPRENE	round	3 x 1,00 mm ²	T60°C	H07RN-F	NN31- (page 9049)

• Body in injected thermoplastic PVC.
Nickel-plated brass contacts.

• Table of the available colours:

T = transparent

B = white

N = black

E = grey

- Other colours on request.



M69-

Plug:

Rated voltage:

Rated current:

Insulation class:

Type of clamps for cables connection:

Cable exit:

In conformity to the standards:

Approval marks:

USA type 2 POLES + GROUND

125 V

15 A

I

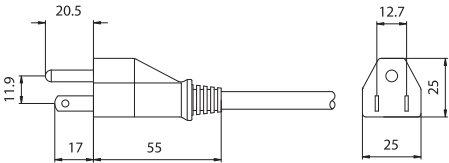
CRIMPED CLAMPS
AXIAL

(cULus on demand)



• Table of the cables connected to the plug:

Insulation	Shape	AWG	Temperature	Type	cod./page
PVC + PVC BLACK OR WHITE	round	3 x 18	T105°C	SVT	WV38- (page 9097)



- Body in injected thermoplastic PVC.
Nickel-plated brass contacts.
- Table of the available colours:
B = white
N = black
- Other colours on request.



PLUGS

M64-

Plug: **USA type BIPOLAR**

Rated voltage: **125 V**

Rated current: **15 A**

Insulation class: **II**

Type of clamps for cables connection: **CRIMPED CLAMPS**

Cable exit: **AXIAL**

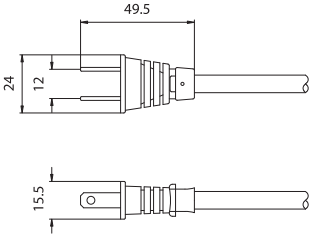
In conformity to the standards:

Approval marks: **(cULus on demand)**



• Table of the cables connected to the plug:

Insulation	Shape	AWG	Temperature	Type	cod./page
PVC TRANSPARENT	flat	2 x 18	T105°C	SPT-2	YD28T (page 9095)
PVC BLACK OR WHITE	flat	2 x 18	T105°C	SPT-2	YD28- (page 9095)
FEP + FEP	flat	2 x 18	T200°C	STYLE 21167	XQ28- (page 9101)



• Body in injected thermoplastic PVC.
Brass contacts.

• Table of the available colours:
T = transparent
B = white
N = black
- Other colours on request.



M68-

Plug:

Rated voltage:

Rated current:

Insulation class:

Type of clamps for cables connection:

Cable exit:

Protection degree:

In conformity to the standards:

BIPOLAR

2 poles

250 V

2,5 A

II

CRIMPED CLAMPS

AXIAL

IP20

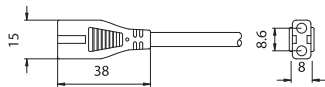
EN 60320



M68A-: plug M68- with inner female contacts diameter 2,28 mm.
M68B-: plug M68- with inner female contacts diameter 2,75 mm.

• Table of the cables connected to the plug:

Insulation	Shape	Sections	Temperature	Type	cod./page
PVC + PVC TRANSPARENT	flat	2 x 0,75 mm²	T70°C	FRDR	RSP7T (page 9057)
PVC + PVC TRANSPARENT	flat	2 x 0,75 mm²	T70°C	FRDR	RBP7T (page 9056)
FEP + PVC TRANSPARENT	flat	2 x 0,75 mm²	T70°C (T180°C cores)	FR5FDR	BSP7T (page 9063)
FEP + PVC TRANSPARENT	round	2 x 0,75 mm²	T70°C (T180°C cores)	FR5FOR	BS27T (page 9063)
FEP + PVC B - N	flat	2 x 0,75 mm²	T70°C	H3WH2-F	RRP7- (page 9053)
PVC + PVC B - N	flat	2 x 0,75 mm²	T90°C	H3/2WH2-F	RHP7- (page 9052)



• Body in injected thermoplastic PVC.
Tinned brass contacts.

• Table of the available colours:
T = transparent
B = white
N = black
- Other colours on request.



PLUGS

M67-

Plug:

Rated voltage:
Rated current:
Insulation class:
Type of clamps for
cables connection:
Cable exit:
Protection degree:
In conformity to the standards:

2 POLES + GROUND

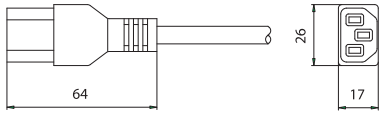
**250 V
10 A
I**

**CRIMPED CLAMPS
AXIAL
IP20
EN 60320**



• Table of the cables connected to the plug:

Insulation	Shape	Sections	Temperature	Type	cod./page
PVC + PVC TRANSPARENT	round	3 x 0,75 mm ²	T70°C	FROR	RS37T (page 9057)
PVC + PVC TRANSPARENT	round	3 x 0,75 mm ²	T70°C	FROR	RB37T (page 9056)
FEP + PVC TRANSPARENT	round	3 x 0,75 mm ²	T70°C (T180°C cores)	FR5FOR	BS37T (page 9063)
PVC + PVC B - N	round	3 x 0,75 mm ²	T70°C	H03VV-F	RR37- (page 9053)
PVC + PVC B - N	round	3 x 0,75 mm ²	T90°C	H03Z(2)Z-F	RH37- (page 9052)
PVC + PVC B - N	round	3 x 1,00 mm ²	T70°C	H05VV-F	RC31- (page 9055)



• Body in injected thermoplastic PVC.
Tinned brass contacts.

• Table of the available colours:

T = transparent

B = white

N = black

- Other colours on request.



M88-



Switch:

Rated voltage:

Rated current:

Insulation class:

Type of clamps for

cables connection:

Clamps connecting capacity:

Protection degree:

In conformity to the standards:

In conformity to the requirements

of the directives:

Approval marks:

"FOOT" SWITCH

250 V

2 (1) A

I or II

SCREW CLAMPS

0,75 mm²

IP40

EN 50075-1

2006/95/EC

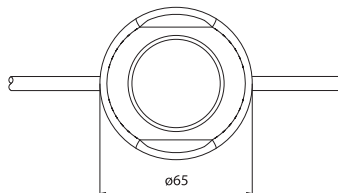
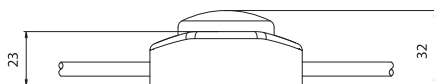
IMQ



• Table of the cables connectable to the switch:

Transparent switch version:

Insulation	Shape	Sections	Temperature	Type	cod./page
PVC + PVC TRANSPARENT	flat	2 x 0,75 mm²	T70°C	FRDR	RSP7T (page 9057)
PVC + PVC TRANSPARENT	flat	2 x 0,75 mm²	T70°C	FRDR	RBP7T (page 9056)
PVC + PVC TRANSPARENT	round	2 x 0,75 mm²	T70°C	FROR	RS27T (page 9057)
PVC + PVC TRANSPARENT	round	3 x 0,75 mm²	T70°C	FROR	RS37T (page 9057)
FEP + PVC TRANSPARENT	flat	2 x 0,75 mm²	T70°C (T180°C cores)	FRSFDR	BSP7T (page 9063)
FEP + PVC TRANSPARENT	round	2 x 0,75 mm²	T70°C (T180°C cores)	FRSFOR	BS27T (page 9063)
FEP + PVC TRANSPARENT	round	3 x 0,75 mm²	T70°C (T180°C cores)	FRSFOR	BS37T (page 9063)



Note: on customer's request, it is possible to supply the switch connected with plugs and cables.

Coloured switch version:

Insulation	Shape	Sections	Temperature	Type	cod./page
PVC + PVC N - B - O	flat	2 x 0,75 mm²	T70°C	H3WH2-F	RHP7- (page 9053)
PVC + PVC N - B - O	round	2 x 0,75 mm²	T70°C	H3WF-F	RR27- (page 9053)
PVC + PVC N - B - O	flat	2 x 0,75 mm²	T90°C	H3D/2H2-F	RHP7- (page 9052)
PVC + PVC N - B - O	round	2 x 0,75 mm²	T90°C	H3D/2F2-F	RH27- (page 9052)
PVC + PVC N - B - O	round	3 x 0,75 mm²	T70°C	H3WF-F	RR37- (page 9053)
PVC + PVC N - B - O	round	3 x 0,75 mm²	T90°C	H3D/2F2-F	RH37- (page 9052)

- Polycarbonate body, for the transparent version, PA66 body for the coloured versions.
Raw or nickel-plated phosphorous bronze or brass contacts.
Brass clamps with slot screws.
PA66 cable-clamp.

• Table of the available colours:

T = transparent

B = white

N = black

O = gold

- Other colours on request.



SWITCHES

M85-

1998

M95-

Switch:

Rated voltage:

Rated current:

Insulation class:

Type of clamps for

cables connection:

Clamps connecting capacity:

Protection degree:

In conformity to the standards:

In conformity to the requirements
of the directives:

Approval marks:

M85-: **SWITCH + "EUROPEAN"
BIPOLAR PLUG 2,5A**

M95-: **SWITCH**

250 V

2 (1) A

II

SCREW CLAMPS (for art. M95-)

0,75 mm²

IP40

EN 50075-1

2006/95/EC

IMQ



- Table of the cables connectable to the switch:

Transparent switch version:

Insulation	Shape	Sections	Temperature	Type	cod./page
PVC + PVC TRANSPARENT	flat	2 x 0,75 mm ²	T70°C	FRDR	RSP7T (page 9057)
PVC + PVC TRANSPARENT	flat	2 x 0,75 mm ²	T70°C	FRDR	RBP7T (page 9056)
PVC + PVC TRANSPARENT	round	2 x 0,75 mm ²	T70°C	FRDR	RS27T (page 9057)
FEP + PVC TRANSPARENT	flat	2 x 0,75 mm ²	T70°C (T180°C cores)	FR5DR	BSP7T (page 9063)
FEP + PVC TRANSPARENT	round	2 x 0,75 mm ²	T70°C (T180°C cores)	FR5DR	BS27T (page 9063)

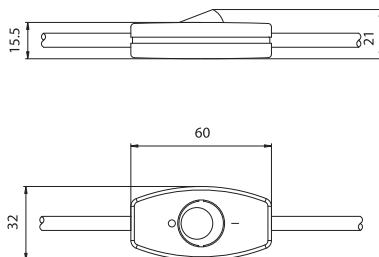
Coloured switch version:

Insulation	Shape	Sections	Temperature	Type	cod./page
PVC + PVC N - B - O	flat	2 x 0,75 mm ²	T70°C	H3B/M2-F	RRP7- (page 9063)
PVC + PVC N - B - O	flat	2 x 0,75 mm ²	T90°C	H3B/2H2-F	RH4P7- (page 9062)

Note: it is possible to supply the switch connected with the "European" bipolar plug with lengths and workings of the cables on customer request.

The standard lengths are:

- 120 cm from the plug to the switch + 80 cm from the switch to the cable free-end.
- 100 cm from the plug to the switch + 50 cm from the switch to the cable free-end.



- Polycarbonate body, for the transparent version, PA66 body, for the coloured versions.

Raw or nickel-plated phosphorous bronze or brass contacts.

Brass clamps with slot screws (for art. M95-).

PA66 cable-clamp (for art. M95-).

- Table of the available colours:

T = transparent

B = white

N = black

O = gold

- Other colours on request.



CONNECTORS PLUG AND SOCKET FOR LEDs APPLICATION

M07M- 2010

M07P-

Type:

Rated voltage:

Rated current:

Working temperature:

Type of clamps to

connect the cables:

Clamps connecting capacity:

Protection degree (IP):

Approval marks:

**CONNECTOR PLUG MALE +
SOCKET FEMALE TO FIX IN PANELS
WITH 2, 4, 6 AND 8 POLES**

48 V

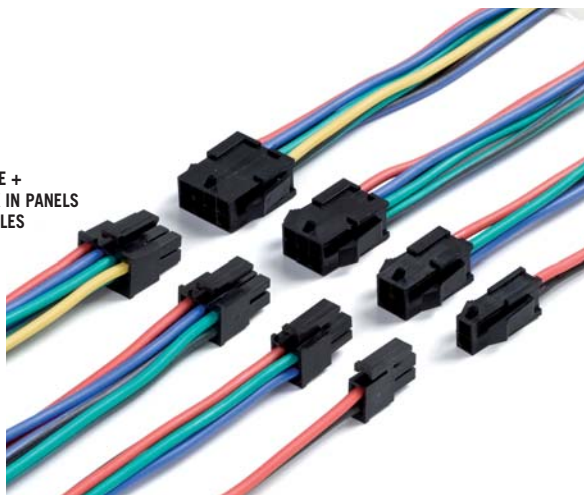
3 A

T -20°C +120°C

CRIMPED

0,25 ÷ 0,50 mm²

IP20



- Connection device built with plug male + socket female to fix in panels with safety retaining tooth against the accidental opening:
- external envelope in black PA66.
- terminals in tin-plated phosphorous bronze crimped (or to be crimped) to the supply cables.

- Device suitable for the supply connection of LEDs lighting fixture from the power unit to the source.

- The device can be connected both with single-conductor cables and multi-conductors cables (for the cables, refer to "Section 9" of this catalogue).

M07M2: 2 poles male plug.

M07M4: 4 poles male plug.

M07M6: 6 poles male plug.

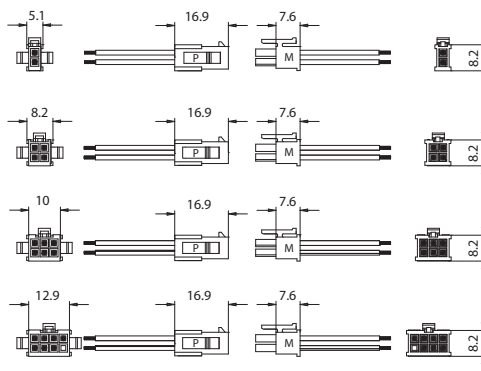
M07M8: 8 poles male plug.

M07P2: 2 poles female socket to fix in panel.

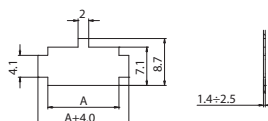
M07P4: 4 poles female socket to fix in panel.

M07P6: 6 poles female socket to fix in panel.

M07P8: 8 poles female socket to fix in panel.



- Fixing scheme



CONNECTORS PLUG AND SOCKET FOR LEDs APPLICATION

M07M- 2010

M07F-

Type:

**CONNECTOR PLUG MALE +
SOCKET FEMALE
WITH 2, 4, 6 AND 8 POLES**

Rated voltage:

48 V

Rated current:

3 A

Working temperature:

T -20°C +120°C

Type of clamps to

connect the cables:

CRIMPED

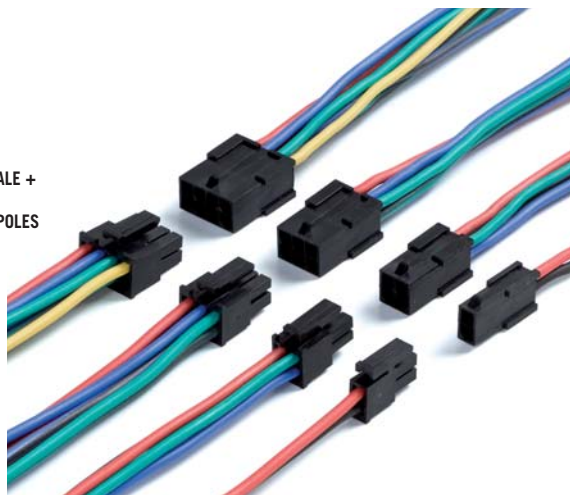
Clamps connecting capacity:

0,25 ÷ 0,50 mm²

Protection degree (IP):

IP20

Approval marks:



- Connection device built with plug male + socket female with safety retaining tooth against the accidental opening:
- external envelope in black PA66.
- terminals in tin-plated phosphorous bronze crimped (or to be crimped) to the supply cables.
- Device suitable for the supply connection of LEDs lighting fixture from the power unit to the source.
- The device can be connected both with single-conductor cables and multi-conductors cables (for the cables, refer to "Section 9" of this catalogue).

M07M2: 2 poles male plug.

M07M4: 4 poles male plug.

M07M6: 6 poles male plug.

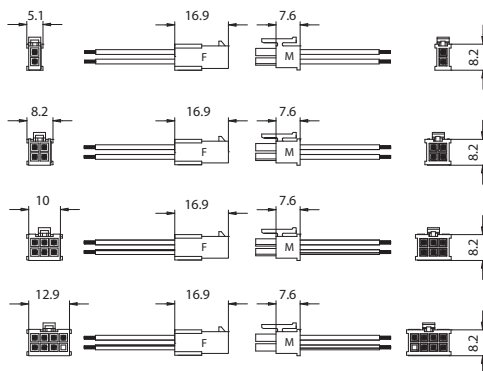
M07M8: 8 poles male plug.

M07F2: 2 poles female socket.

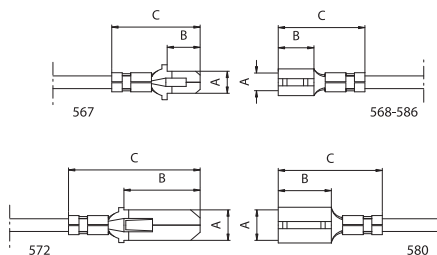
M07F4: 4 poles female socket.

M07F6: 6 poles female socket.

M07F8: 8 poles female socket.



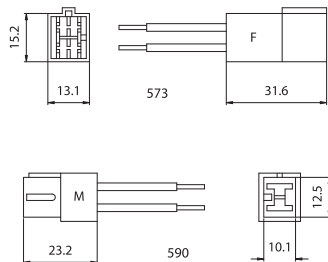
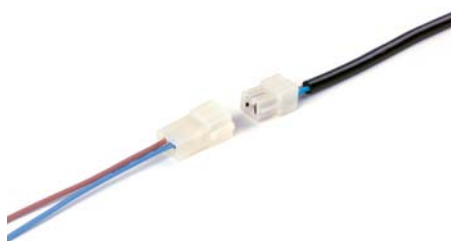
CABLES TERMINALS



- Brass terminals, plug male and socket female, for lamellar connections which is possible to connect to all the cables listed in "Section 9".

Art.	Type M-F	Width thickness (A)	Contact length (B)	Total length (C)	Retention system	Material thickness	Finishing
567	M male	2,8 x 0,8	5,9	12,7	none	0,40	tinned
568	F female	2,8 x 0,8	6,4	14,0	none	0,30	tinned
586	F female	2,8 x 0,5	6,4	14,0	none	0,30	tinned
572	M male	6,3 x 0,8	15,7	28,0	hold-teeth	0,40	raw
580	F female	6,3 x 0,8	7,7	19,1	hold-teeth	0,40	tinned

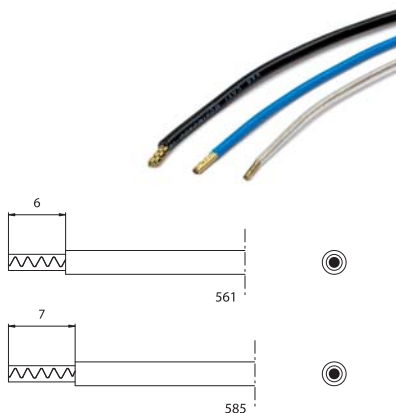
CONNECTORS



- Polarised connector/housing, plug male and socket female, in neutral PA6 V2.

Art. M-F	Type	For series	N° vie	Dimensions mm	Tension	Fixing
573	M male-holder	6,3x0,8	2	15,2x13,1x31,6	24V	free
590	F female-holder	6,3x0,8	2	12,5x10,1x23x2	24V	free

CABLES TERMINALS



- Brass end-terminals, which is possible to connect to all the cables listed in "Section 9".

Art.	Length mm	Crimping section in mm ²	Material thickness	Finishing
561	5,6	0,50 ÷ 1,00	0,20	raw
561SN	5,6	0,50 ÷ 1,00	0,20	tinned
585	7,0	0,75 ÷ 1,50	0,20	raw

COMPACTING TINNING

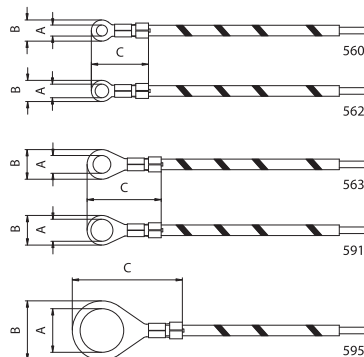


It is possible to carry out at the free end of the cables with flexible strands the following workings:

- compacting
(the part compacted will be with square section)
- tinning
(the part tinned will be with round section)

These kinds of working are available on any cable of the "section 9".

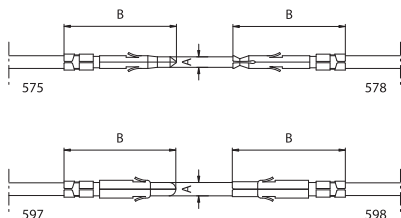
CABLES TERMINALS



- Brass eyelet terminals, which is possible to connect to all the cables listed in "Section 9" (normally used for the earth conductors).

Art.	Hole Ø (A)	Head Ø (B)	Length (C)	Material thickness (D)	Finishing
560	2,6	5,0	13,5	0,4	raw
562	3,2	5,0	13,5	0,4	tinned
563	4,2	7,0	17,5	0,5	tinned
591	5,2	7,0	17,5	0,5	tinned
595	10,3	14,0	26,0	0,6	tinned

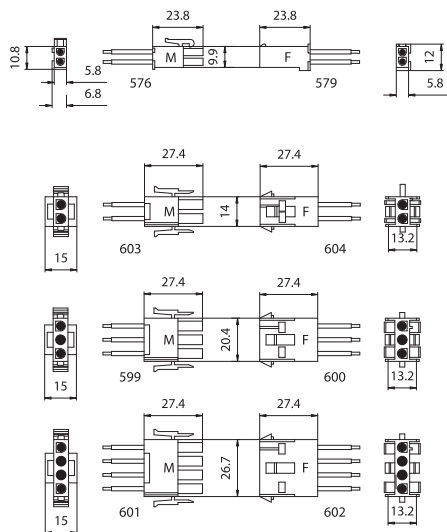
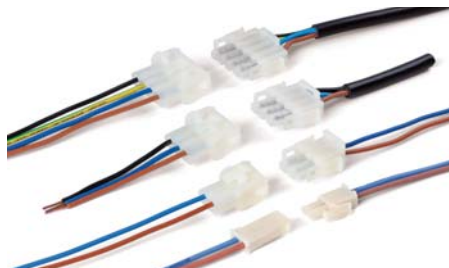
CABLES TERMINALS



- Tinned brass, cylindrical terminals, plug male and socket female, for connections which is possible to connect to all the cables listed in "Section 9".

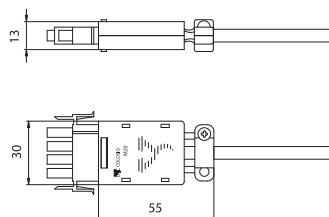
Art.	Type	Contact Ø (A)	Lenght (B)	Retention system	Material thickness	Current capacity
575	male	Ø1,7	17,6	hold-teeth	0,25	5A
578	female	Ø1,7	17,6	hold-teeth	0,25	5A
597	male	Ø2,1	20,5	hold-teeth	0,25	10A
598	female	Ø2,1	20,0	hold-teeth	0,25	10A

CONNECTORS

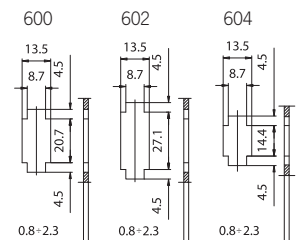


- Polarized connector/housing, plug male and socket female, in neutral PA6 V2.

HOUSINGS COVER



• Fixing scheme



- **M20:** Protection cover with cable-clamp, in PA66, for 3 ways plug housing article 599 and 4 ways plug housing article 601.
- Suitable to block double insulated cables from section 2 x 0.75 mm² to section 4 x 1,00 mm².
- Weight: 8 g.

Art.	Type M-F	For art.	Ways nr.	Dimensions mm	Fixing
576	M male	575	2	6,2x10,2x24,8	free
579	F female	578	2	6,2x12x23,8	free
599	M male	597 - 598	3	15x20,4x27,4	free
600	F female	597 - 598	3	13,2x20,4x27,4	to fix in panels
601	M male	597 - 598	4	15x26,7x27,4	free
602	F female	597 - 598	4	13,2x26,7x27,4	to fix in panels
603	M male	597 - 598	2	15x14x27,4	free
604	F female	597 - 598	2	13,2x26,7x27,4	to fix in panels

Note: the cover may be supplied already assembled on cables with plug housings 599 or 601.