

# ACCESSORIES

FOR LIGHTING FIXTURES

# MPM

- [www.mpm.fr](http://www.mpm.fr) -



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 Etienne Lacroix Group

# L'ENTREPRISE

## MOULAGES PLASTIQUES DU MIDI

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Plastics processing specialist, component and equipment developer for manufacturers and the construction industry

Company created in 1952 - 100% Subsidiary of the Etienne Lacroix Group since 1960



### OUR BUSINESS

Design, development, production and sale of engineered, injection molded products.

### OUR VISION

Component and equipment developer for manufacturers and the construction industry.

### 2020 OBJECTIVES

50% MPM brand name products  
50% Industrial products.

### FACTORIES / OFFICES:

FRANCE: factor in MURET / FRANCE  
CHINA: office in SHANGHAI

## TURNOVER

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**2014:** 11,2M€

**2015:** 15,6M€

**2016:** 17,7M€

**2017:** 15,0M€

**2018:** 14,5M€

**2019:** 17,0M€

**2020:** 11,5M€

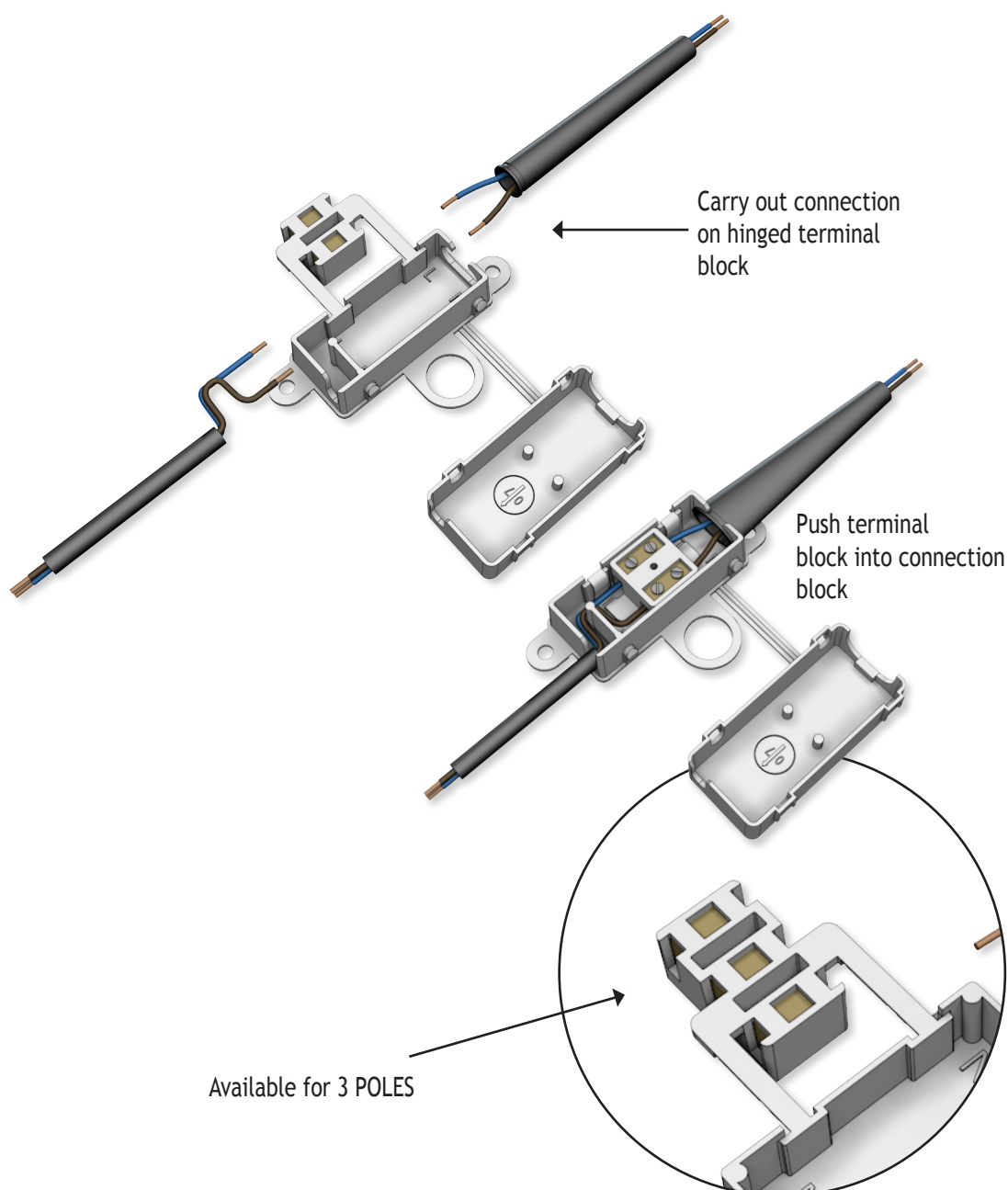
# SUMMARY

Connection accessories	p. 3
Accessories for IP connection	p. 28
Various accessories	p. 39
Technical recommendations	p. 49

# BMA CONNECTION BOX WITH HINGED TERMINAL BLOCK

## RAPID AND EASY CONNECTION!

Connection in conformance with the European Standard  
EN 60598  
VDE and LCIE certified





# ISODOM® BMA 2215 1AT/BMA 2215 1P

**CLASS II EN 60598 - CERTIFIED BY VDE AND LCIE - PATENTED PRODUCT**

## TERMINALS + SLEEVE MOUNTED VERSION

BMA 1 (2X1,5 1AT) P00007 876202

BMA 21 (2X1,5 1P) 000006 872102

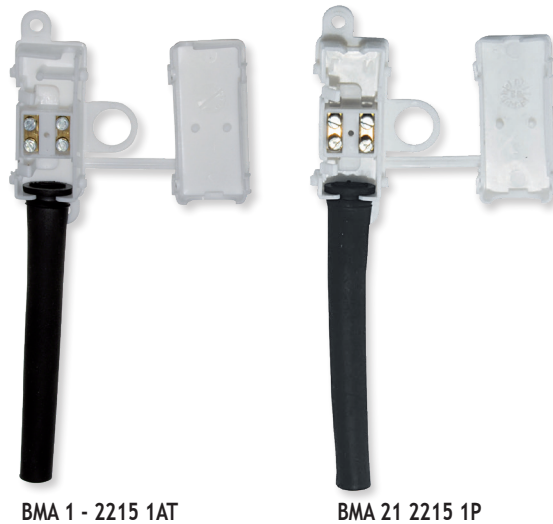
Packing unit 1500

## KIT VERSION (UNMOUNTED)

BMA 2 (2X1,5 1AT) P00097 789602

BMA 22 (2X1,5 1P) P00006 872103

Packing unit 2500



BMA 1 - 2215 1AT

BMA 21 2215 1P

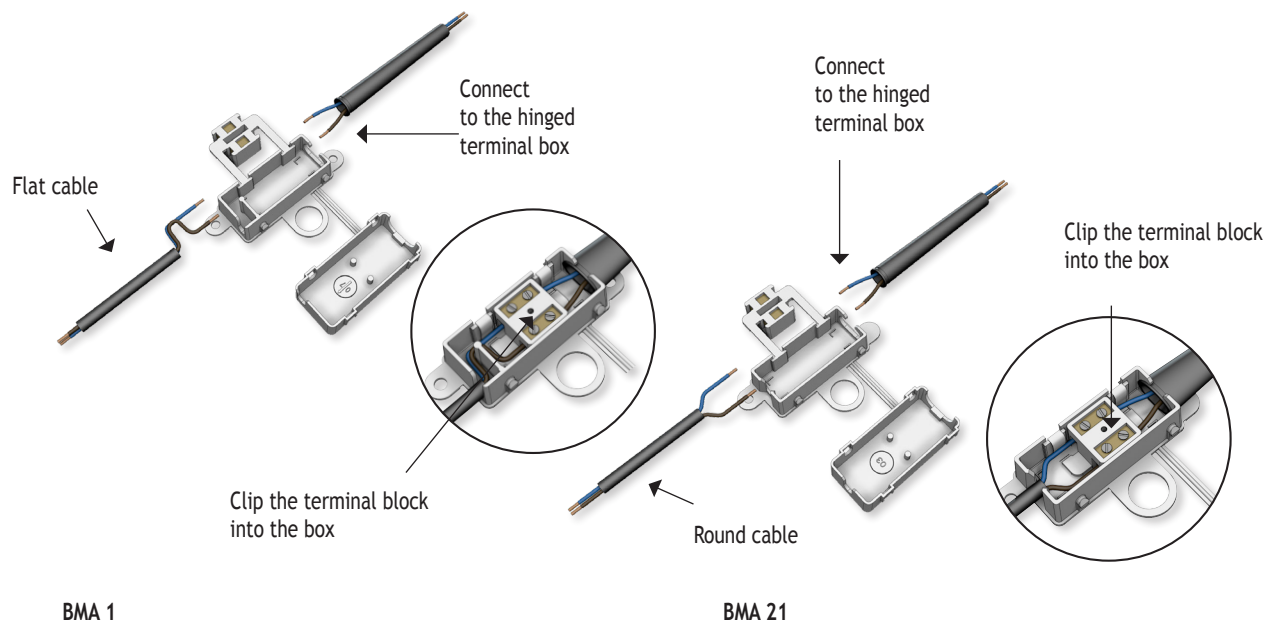
## PURPOSE

- To provide a Class II insulation for 2-pole connections  
Connect at:
  - Sleeve side: two single insulation wires (1.5 mm<sup>2</sup> gauge) arriving from mains supply (wall, ceiling, power outlet, and so on...)
  - Opposite side:
    - Z-type cable grip (1AT) for flat cable, double insulation H03 V V H2F type, coming from the luminaire
    - V-type cable holder (1P) for round cable, double insulation H03 V V F type, coming from the luminaire

## FEATURES

- Made of injection moulded insulating thermoplastic that meets the incandescent wire test requirements
- Suitable for continuous use at 105°C
- Consists of a box + cover assembly equipped with a HINGED terminal block and a quick fit-sleeve to enable easy connection
- The 8 cm flexible sleeve provides additional insulation to single insulation wires from the mains supply
- Colour: white
- Overall dimensions, box closed: 42 x 19 x 11.5 mm

# ISODOM® BMA 2215 1AT/BMA 2215 1P



## ADVANTAGES

- The HINGED TERMINAL BLOCK enables quick and easy connection
- Captive parts
- Small dimensions
- Connections or wires can be replaced easily
- Optional mounting of the box using exterior lugs
- Can be used in Class II metal lamps without the need for any additional fittings
- Compliance with European Standard EN 60598

## ASSEMBLY

See figure here above.

Install the sleeve on the wires coming from the mains supply.

Carry out connection of terminals while terminal block is hinged outside of the box.

Clip the terminal block into the box.

Insert sleeve head into the box as shown in figure.

Position the flat or round cable from the power supply into the Z-type cable grip or V-type cable holder respectively.

Clip on the cover.

The box can be reopened by inserting a tool between the cover and the rim of the base plate.

# ISODOM® BMA 2215 2AT / BMA 2215 2P

**CLASS II EN 60598 - CERTIFIED BY VDE AND LCIE - PATENTED PRODUCT**

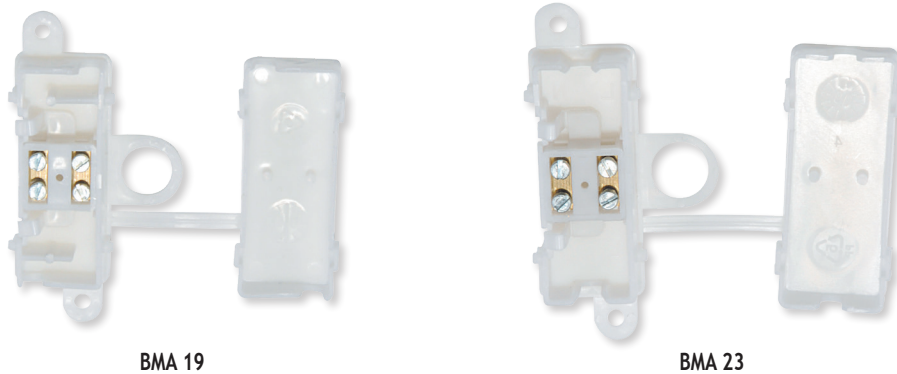
## TERMINALS MOUNTED VERSION

BMA 19 (2X1,5 2AT) P00097 789807 Packing unit 2500

BMA 23 (2X1,5 2P) P00008 892702 Packing unit 1500

## KIT VERSIONS (UNMOUNTED)

BMA 20 (2X1,5 2AT) P00098 789805 Packing unit 2500



BMA 19

BMA 23

## PURPOSE

- To provide a Class II insulation for 2-pole connections:
  - 2 x 1.5 2AT: connect 2 flat cables double insulation type H03 V V H2F with Z-type cord grip at each end
  - 2 x 1.5 2P: connect 2 round cables double insulation type H03 V V F with V-type cable holder at each end

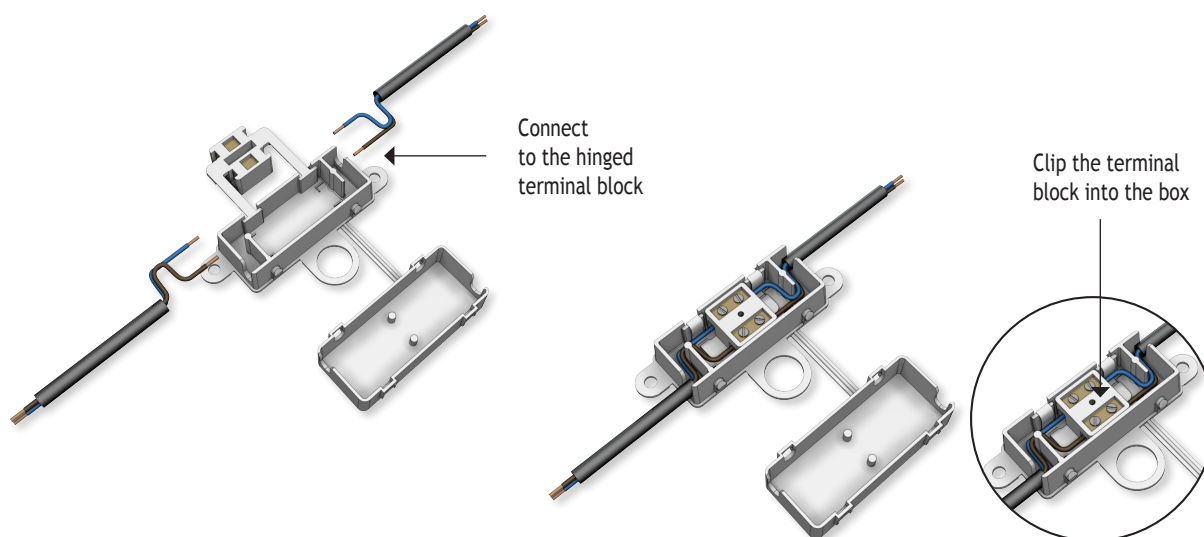
## FEATURES

- Made of injection moulded insulating thermoplastic that meets the incandescent wire test requirements
- Suitable for continuous use at 105°C
- Consist of a box + cover assembly equipped with a HINGED TERMINAL BLOCK
- Colour: white
- Overall dimensions, box closed: 46 x 19 x 11.5 mm

## ADVANTAGES

- The HINGED TERMINAL BLOCK enables quick and easy connection
- Captive parts
- Small dimensions
- Connections or wires can be replaced easily
- Optional mounting of the box using exterior lugs
- Can be used in Class II metal lamps without the need for any additional fittings
- Compliance with European Standard EN 60598

# ISODOM® BMA 2215 2AT/BMA 2215 2P



BMA 2215 2AT

BMA 2215 2AT

## ASSEMBLY

- Carry out connection of terminals while terminal block is hinged outside of the box.
- Clip the terminal block inside the box
- Position the flat or round cable into the Z-type cable grip or V-type cable holder respectively
- Clip on the cover
- The box can be reopened by inserting a tool between the cover and the rim of the base plate

# ISODOM® BMA 2315 1P

**CLASS II EN 60598 - CERTIFIED BY VDE AND LCIE - PATENTED PRODUCT**

TERMINALS + SLEEVE MOUNTED VERSION

BMA 7 (3X1,5 1P) P00007 878902

KIT VERSION (UNMOUNTED)

BMA 8 (3X1,5 1P) P00007 878903

Packing unit 1500



BMA 7

## PURPOSE

- To provide a class I or II insulation for 3-pole connections:
  - Sleeve side: 3 single insulation wires (1.5 mm<sup>2</sup> gauge) from the mains supply (wall, ceiling power outlet, and so on...)
  - V-type cable holder side: a round cable, double insulation (3 x 0.5 or 3 x 0.75mm<sup>2</sup>), H03 V V type coming from the luminaire

## FEATURES

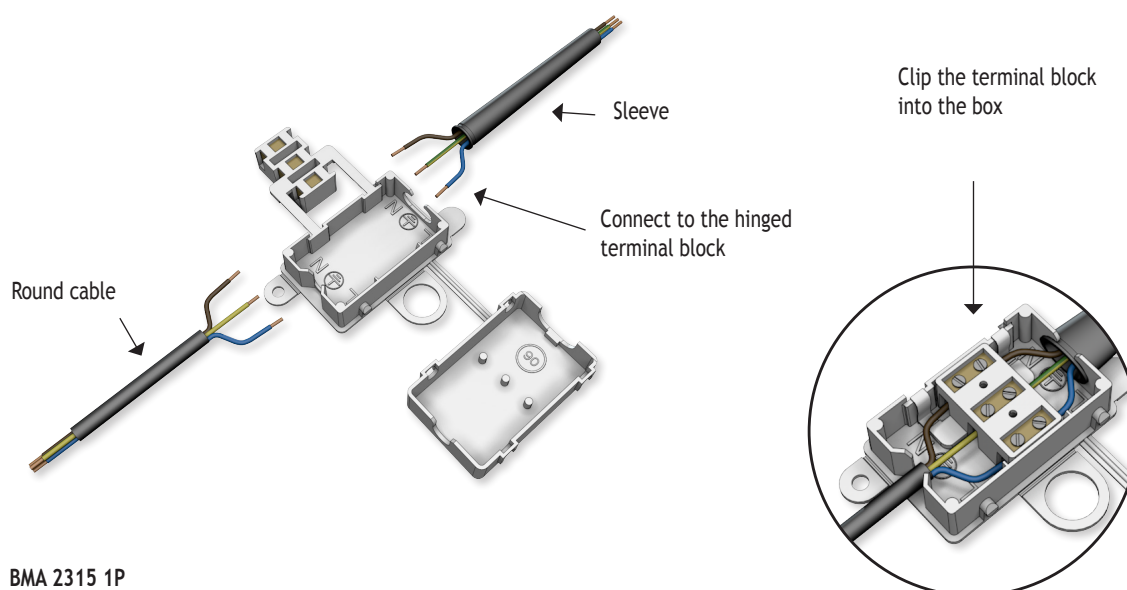
- Made of injection moulded insulating thermoplastic that meets the incandescent wire test requirements
- Suitable for continuous use at 105°C
- Consists of a box + cover assembly equipped with a HINGED TERMINAL BLOCK and a QUICK FIT-sleeve to enable easy connection
- The 8 cm flexible sleeve provides additional insulation to single insulation wires from the mains supply
- Colour: white
- Overall dimensions, box closed: 42.5 x 27.5 x 11.5 mm

## ADVANTAGES

- The HINGED TERMINAL BLOCK enables quick and easy connection
- Captive parts
- Small dimensions
- Connections or wires can be replaced easily
- Optional mounting of the box using exterior lugs
- Can be used in Class II metal lamps without the need for any additional fittings
- Compliance with European Standard EN 60598



# ISODOM® BMA 2315 1P



## ASSEMBLY

- Install the sleeve on the wires coming from the mains supply
- Carry out connection of terminals while terminal block is hinged outside of the box
- Clip the terminal block inside the box
- Insert the sleeve head into the box as shown in figure
- Position the round cable from the power supply into the V-type cable holder
- Clip on the cover
- The box can be reopened by inserting a tool between the cover and the rim of the base plate

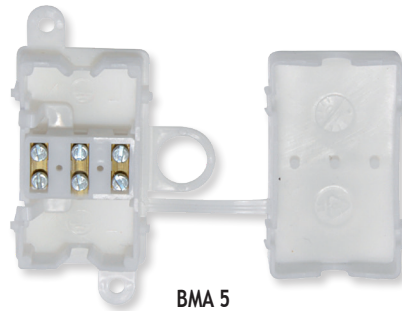
# ISODOM® BMA 2315 2P

**CLASS II EN 60598 - CERTIFIED BY VDE AND LCIE - PATENTED PRODUCT**

TERMINALS MOUNTED VERSION

BMA 5 (3X1,5 2P)

P00097 782804 Packing unit 1500



BMA 5

## DESTINATION

- To provide a Class I or II insulation for 3-pole connections and connect two round cables double insulation (3 x 0.5 or 3 x 0.75 mm<sup>2</sup>) type H03 V V F

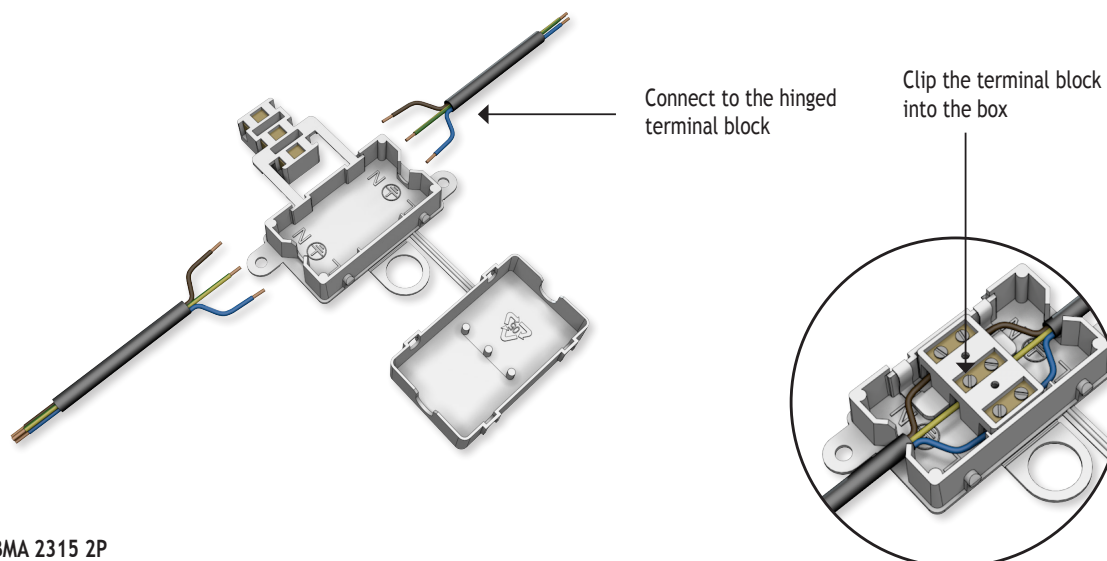
## FEATURES

- Made of injection moulded insulating thermoplastic that meets the incandescent wire test requirements
- Suitable for continuous use at 105°C
- Consists of a box + cover assembly equipped with a HINGED TERMINAL BLOCK
- Colour: white
- Overall dimensions, box closed: 42.5 x 27.5 x 11.5 mm

## ADVANTAGES

- The HINGED TERMINAL BLOCK enables quick and easy connection
- Captive parts
- Small dimensions
- Connections or wires can be replaced easily
- Optional mounting of the box using exterior lugs
- Can be used in Class II metal lamps without the need for any additional fittings
- Compliance with European Standard EN 60598

## ISODOM® BMA 2315 2P



### ASSEMBLY

- Carry out connection of terminals while terminal block is hinged outside the box
- Clip the terminal block inside of the box
- Position the cables into the V-type cable holder
- Clip on the cover
- The box can be reopened by inserting a tool between the cover and the rim of the base plate

# ISODOM® BMA 2225 1DP

**CLASS II EN 60598 - CERTIFIED BY VDE AND LCIE - PATENTED PRODUCT**

TERMINALS + SLEEVE MOUNTED VERSION

BMA 9 (2X2,5 1DP) P00097 789704 Packing unit 500



BMA 9

## PURPOSE

- To provide a Class II insulation cover for 2-pole terminal blocks and to be able to connect at:
  - Sleeve side: two single-insulation wires (1.5 mm<sup>2</sup> gauge) from mains supply (wall, ceiling power outlet, and so on...)
  - Opposite side with V-Type cable holder (1DP): 1 to 4 flat cables, double insulation H03 V V H2F (2 x 0.5 mm<sup>2</sup> or 2 x 0.75 mm<sup>2</sup>) type coming from the device

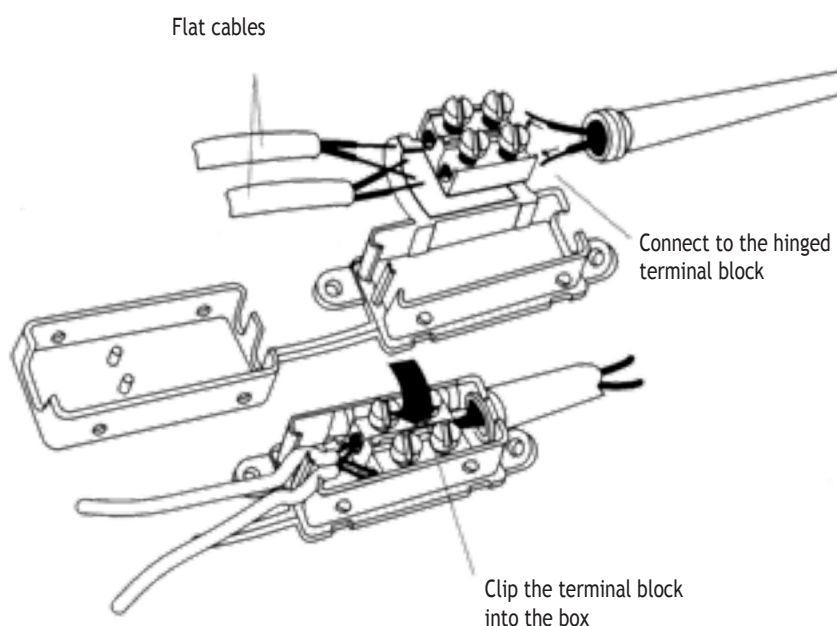
## FEATURES

- Made of injection moulded insulating thermoplastic that meets the incandescent wire test requirements
- Suitable for continuous use at 105°C
- Consists of a box + cover assembly equipped with a HINGED TERMINAL BLOCK and a QUICK FIT-sleeve to enable easy connection
- The 8 cm flexible sleeve provides additional insulation to single insulation wires from the mains supply
- Colour: white Overall dimensions, box closed: 48.5 x 21 x 14.5 mm

## ADVANTAGES

- The HINGED TERMINAL BLOCK enables quick and easy connection
- Captive parts. Small dimensions
- Connections or wires can be replaced easily
- Optional mounting of the box using exterior lugs
- Can be used in Class II metal lamps without the need for any additional fittings
- Compliance with European Standard EN 60598

## ISODOM® BMA 2225 1DP



BMA 9

### ASSEMBLY

- Install the sleeve on the wires coming from the mains supply
- Carry out connection of terminals while terminal block is hinged outside of the box
- Clip the terminal block inside the box
- Insert the sleeve head into the box as shown in figure
- Position the flat cables from the power supply into the two V-type cable holders of the box
- Clip on the cover
- The box can be reopened by inserting a tool between the cover and the rim of the base plate



# ISODOM® BMA 2225 1DP + 1GP

## BMA 2225 2DP

**CLASS II EN 60598 - CERTIFIED BY VDE AND LCIE - PATENTED PRODUCT**

TERMINALS MOUNTED VERSION

BMA 11 (2X2,5 1DP + 1GP) P00097 789706

BMA 13 (2X2,5 2DP) P00097 789705

Packing unit 500



BMA 11



BMA 13

### PURPOSE

- To provide a Class II insulation cover for-2 pole junctions and to be able to connect:
  - at 2 x 2.5 → 1DP + 1 GP (with two V-type cable holders at one side and one big V-type cable holder at the other side): one thick round cable double insulation (2 x 1.5 mm<sup>2</sup> or 2 x 2.5 mm<sup>2</sup>) and at the other end one or max. four flat cables double insulation H03 V V H2F type
  - at 2 x 2.5 → 2DP (with two V-type cable holders at each side): a double insulation round or flat cable (2 x 0.75 mm<sup>2</sup>) and at the other end one or max. four flat cables double insulation H03 V V H2F type

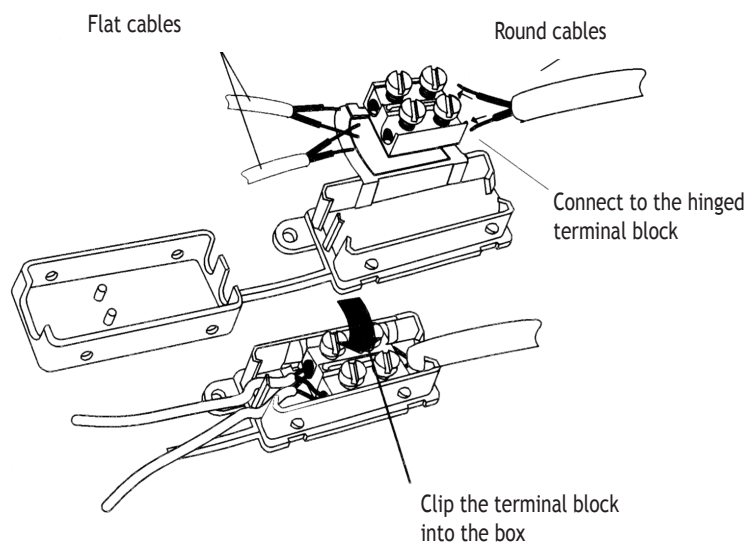
### FEATURES

- Made of injection moulded insulating thermoplastic that meets the incandescent wire test requirements
- Suitable for continuous use at 105°C
- Consists of a box + cover assembly with a hinged terminal block
- Colour: white
- Overall dimensions (box closed): 48.5 x 21 x 14.5 mm

### ADVANTAGES

- The HINGED TERMINAL BLOCK enables quick and easy connection
- Captive parts
- Small dimensions
- Connections or wires can be replaced easily
- Optional mounting of the box using exterior lugs
- Can be used in Class II metal lamps without the need for any additional fittings
- Compliance with the European Standard EN 60598

# ISODOM® BMA 2225 1DP + 1GP BMA 2225 2DP



BMA 11  
BMA 11

## ASSEMBLY

- Carry out connection of terminals while terminal block is hinged outside of the box
- Clip the terminal block inside the box
- Position the round cables into the largest V-type cable holders and the flat cables into the smaller V-type cable holders
- Clip on the cover
- The box can be reopened by inserting a tool between the cover and the rim of the the base holder

# ISODOM® FT 1 (5X2,5) FT 2 (3X2,5)

## CLASS II EN 60598 - CERTIFIED BY LCIE

ISODOM® FT 1 (5X2,5) P00090 732601 Packing unit 150  
ISODOM® FT 2 (3X2,5) P00090 732602 Packing unit 250



### PURPOSE

- To provide a Class II insulation cover for 3-pole or 5-pole terminal blocks:
  - Single outlet side: 3, 4 or 5-wire H05 V V F type
  - Multiple outlet side: 2-wire double insulation cable, H03 V V H2F or H05 V V H2F type (2 x 0.5 mm<sup>2</sup> or 2 x 0.75 mm<sup>2</sup>) or single wire double insulation cable

### FEATURES

- Made of injection moulded insulating thermoplastic that meets the incandescent wire test requirements
- Suitable for continuous use at 120°C
- Consist of a box + cover assembly
- Colour: black
- Overall dimensions, box closed:
  - FT 1 (5 x 2.5): 74 x 55.5 x 21.5 mm (excluding the attachment lugs)
  - FT 2 (3 x 2.5): 74 x 55.5 x 21.5 mm (excluding the attachment lugs)
- The 5-pole or 3-pole terminal blocks are supplied not fitted. These terminal blocks must be approved, their insulating cover must be made of Pa 6.6

## ISODOM® FT 1 (5X2,5) FT 2 (3X2,5)

### ADVANTAGES

- Easy to assemble and install
- Rigidity
- Captive parts
- Can be used in Class II metal lamps without the need for any additional fittings
- Compliance with European Standard EN 60598

### ASSEMBLY

- Connect the cables to the terminal blocks, position the block between the stubs located in the centre of the ISODOM® box to hold the wires in place and insert the cables into the V-type cable holder.
- Clip on the cover
- The box can be opened by inserting a tool between the cover and the rim of the base plate

# ISODOM® HEXAGONE

## CLASS II EN 60598 - CERTIFIED BY LCIE

ISODOM® HEXAGONE 000087 722702 Packing unit 400



### PURPOSE

- To provide a Class I or Class II insulation cover for 2-pole terminal (size 2 terminal blocks) and connect:
  - On one side: a H03 V V H2F or H05 V V H2F, 2 x 0.5 mm<sup>2</sup> or 2 x 0.75 mm<sup>2</sup> series cable
  - On opposite side: 1 to 4 cables of the same type, 2 x 0.5 mm<sup>2</sup> gauge

### FEATURES

- Made of injection moulded insulating thermoplastic that meets the incandescent wire test requirements
- Suitable for continuous use at 105°C
- Supplied without the 2-pole terminal block (which must be certified for Class I → Resistance to flame and ignition)
- Colour: grey

### ASSEMBLY

- Connect the cables to the terminal block and place the block on the stud at the centre of the "ISODOM® HEXAGONE" and place the cables in their respective cable grip
- Clip on the cover
- The box can be opened by unclipping the catches with a tool

### ADVANTAGES

- Easy to assemble and install
- Terminal blocks or wires can be replaced easily
- Can be used in Class II metal lamps without the need for any additional fittings
- Compliance with European Standard EN 60598



# ISODOM® BILAMPE

## CLASS II EN 60598 - CERTIFIED BY LCIE

FOR DOUBLE LIGHTING

ISODOM® BILAMPE 1 (TERMINAL BLOCKS MOUNTED VERSION) P00090 734000 Packing unit 250  
UPON REQUEST

ISODOM® BILAMPE 2 (UNMOUNTED VERSION) P00090 734002

FOR DOUBLE LIGHTING AND DOUBLE SWITCHING

ISODOM® BILAMPE 3 (UNMOUNTED VERSION) P00095 734003



ISODOM® BILAMPE 3



ISODOM® BILAMPE 1

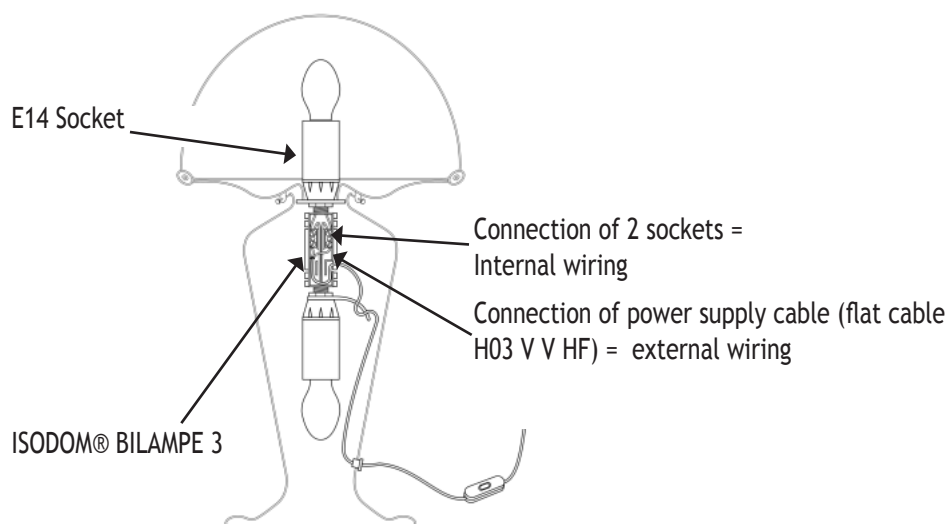
### PURPOSE

- Connection box for mechanical and electrical connection of two E14 or E27 sockets to either get double lighting or to get double lighting with double switching function

### FEATURES

- Consists of a box + cover assembly
- Made of injection moulded insulating thermoplastic that meets the incandescent wire test requirements
- Threaded parts: M10 x 1
- The electrical connection is made using 2,5 metal terminals to be clipped in
- A separation tab prevents the power cable from coming into contact with one of the lamps
- Cable required: H03 V V H2F (2 x 0.5 mm<sup>2</sup> or 2 x 0.75 mm<sup>2</sup>) or H03 V V F (3 x 0.75 mm<sup>2</sup>)

## ISODOM® BILAMPE



### ADVANTAGES

- Compact system
- Permits a double lighting with simple or double switching
- Integrated and insulated connection
- Cable grip for mains cable
- Can be used in Class II lamps without the need for any additional fittings.
- Compliance with European Standard EN 60598

### ASSEMBLY

- Connect the single-insulation wires (lamp wires) to the same side (opposite the cable grip)
- Connect the power cable to the free side of the terminal blocks and insert the cable in the cable grip
- Clip on the cover
- Install the ISODOM® BILAMPE in the lamp's attachment mount or clamp
- If necessary install the washer and counternut
- If necessary position the separation tab
- Screw on the socket lamp base and connect the sockets

### CAUTION

For Class II

- The E14 sockets must have a lamp base 19 mm high
- If the sockets used have a 10 x 1 threaded metal part, an insulating part will have to be added at the bottom of the lamp base (Ref.: ISOSTOP)
- Sockets have to be in conformity with Regulation in relation with the unscrewing torque
  - E14 – 1.4 mN
  - E27 – 2 mN

# ISODOM® BR

## CLASS II EN 60598 - CERTIFIED BY LCIE

ISODOM® BR 1 (TERMINALS MOUNTED) 000094 762901

ISODOM® BR 2 (TERMINALS UNMOUNTED) 000094 762902

Packing unit 250



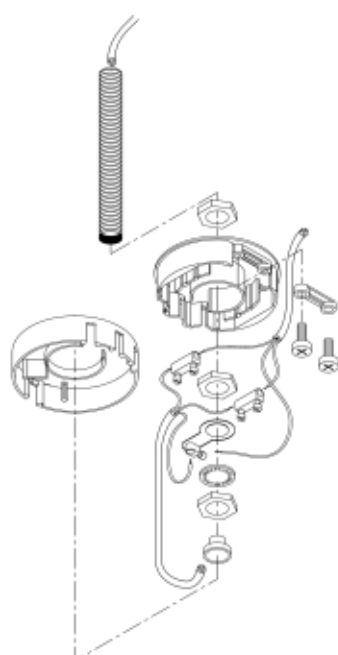
### DESTINATION

- To provide a Class I or II insulation cover for the 2-pole connection of chandelier type bronze lamps and especially bronze table lamps:
  - Connection using 2 x 0.75 mm<sup>2</sup> and 3 x 0.75 mm<sup>2</sup> type double insulation cable respectively, which is held in position by the cord grip
  - Wiring to the other chandelier lamps:
    - through central mounting fixture.
    - or through the 3 existing lateral V-type outlets

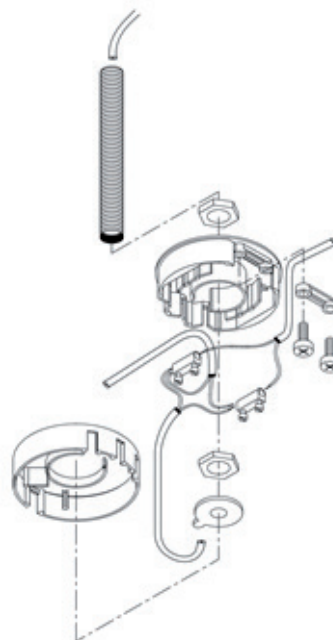
### FEATURES

- Made of injection moulded insulating thermoplastic that meets the incandescent wire test requirements
- Suitable for continuous use at 105°C
- Round box with central mounting fixture from inside
- Consists of a box (with all connections + wirings) and a clip-on cover
- Colour: white
- Overall dimensions, box closed: ø 50 x 13 mm (thickness)

## ISODOM® BR



Mounting scheme class I



Mounting scheme class II

### ADVANTAGES

- Easy to assemble and install
- Captive parts
- Small dimensions
- Integrated cord grip
- Central attachment through metal pin M10 x 1
- Can be used in Class II metal lamps without the need for any additional fittings.
- Compliance with European Standard EN 60598

### ASSEMBLY

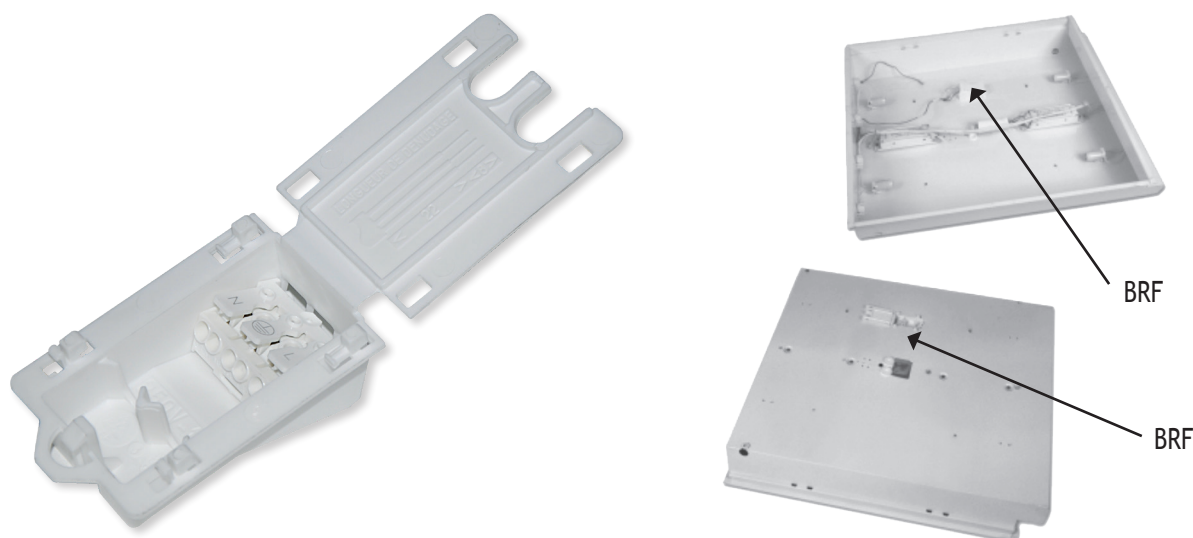
- Mount center part of box assembly to metal pin M10 x 1 using nut
- Connect metal screw terminals and pass wire(s) through their "double insulation" cover to their corresponding cable grip(s)
- Disconnect shouldered washer from box assembly to position it on internal fixing nut. Pass cable coming out of threaded metal pin through this washer to protect it from sharp metal edges and to ensure the distance of 4 mm which is required in Class II between first insulation and any metal part
- In case of Class I an earth terminal has to be mounted in the center of the box assembly using nut, counternut and fixing washer. The cable will be protected by a cable sleeve at metal thread interface
- Clip-on cover to close the box
- The box can be reopened by inserting a tool between cover and rim of base plate

# ISODOM® BRF

## CERTIFIED BY VDE & BY LCIE — PATENTED PRODUCT

ISODOM® BRF 3P (WITHOUT TERMINAL BLOCK)  
ISODOM® BRF N.2A (WITH BJB TERMINAL BLOCK)  
Packing unit 250

000097 783506  
P00097 783508



### PURPOSE

- Enables direct connection of fluorescent lighting to the mains from the outside without having to disassemble the luminaire

### FEATURES

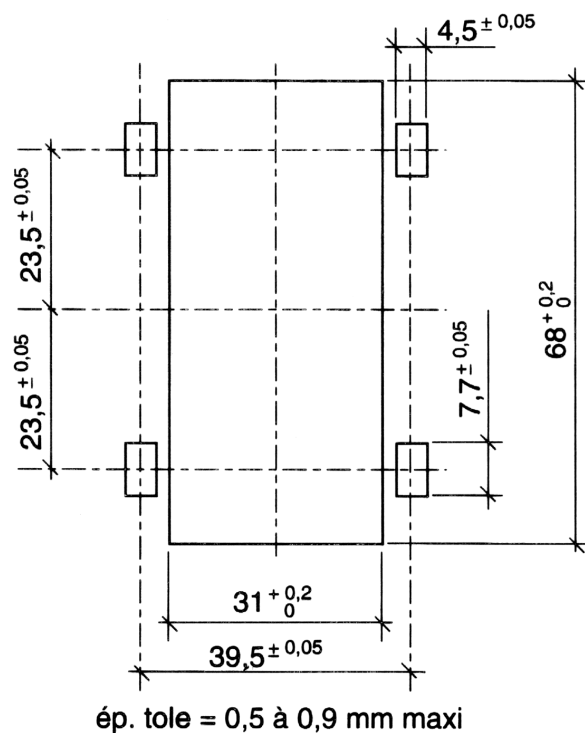
- Made of injection moulded insulating thermoplastic that meets the incandescent wire test requirements
- Suitable for continuous use at 125°C
- Consists of a box + cover assembly.
- A 3-pole automatic terminal block can be selected among different suitable types
- Colour: white
- Overall dimensions of the box: 71 x 48 x 33 mm

### ADVANTAGES

- Easy to install without any tools without any force in four steps
- Ready to connect
- For the MANUFACTURER the ISODOM® BRF represents a positive accomplishment of his product.
- For the ELECTRICIAN the ISODOM® BRF considerably simplifies connection of luminaire to the mains supply in a simple and rapid way without having to dismantle neither tubes nor louvers
- Internal and external connection is made using an automatic terminal block (several different types are compatible)
- Allows DIRECT LOOPING-IN in conformance with installation rules



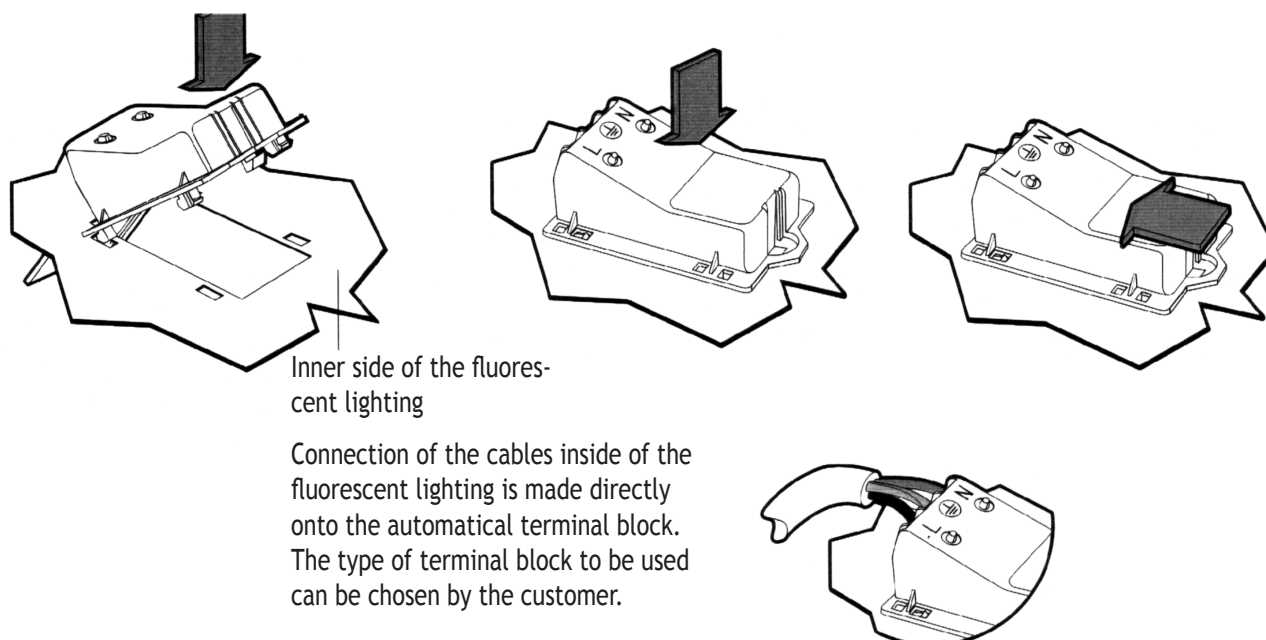
# ISODOM® BRF



- Cut-out Drawing for 3 poles ISODOM® BRF

# ISODOM® BRF

Installation without any tools without any force realized in four steps :



## INSTALLATION

- 1 - Vertically insert the box with its cover completely open into the sheet cut-out made for this purpose.
- 2 - Turn the box a quarter of a turn and guide it towards the front of the cut-out.
- 3 - Position the fixing clips in the four holes of the cut-out and insert them by applying vertical force on the box.
- 4 - Then apply horizontal force to the box in order to completely engage the fixing clips

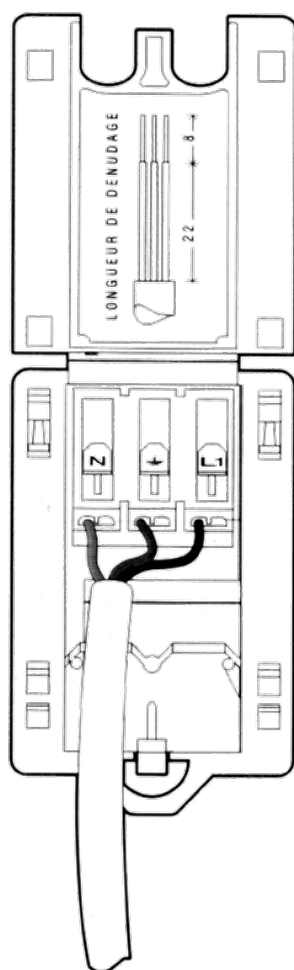
**It is recommended to carry out this operation at ambient temperature > 5°C**  
**► the elastic limit (flexion) of the material varying with the temperature.**



# ISODOM® BRF

The ISODOM® BRF allows to make further connections directly from one luminaire to another by looping the cable from one ISODOM® BRF to the next in complete conformance with the installation instructions

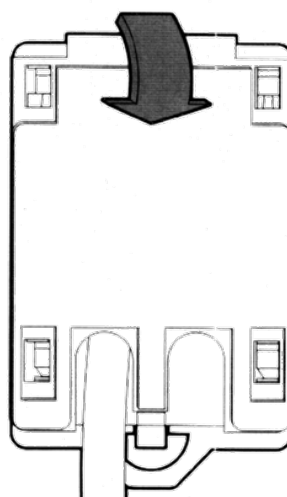
## CONNECTION OF LUMINAIRE



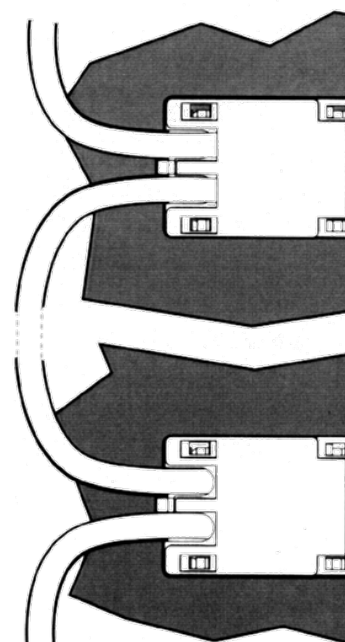
**1** - Remove insulation cover from cable following sketch.

**2** ... Press each connector directly into the AUTOMATIC terminal block (N ⊕ L).

**3** ... Press the cable into the fixing mount



**4** ... Close the cover by clipping in.



# ISODOM® BRF 5 PÔLES

## CERTIFIED BY VDE & BY LCIE — PATENTED PRODUCT

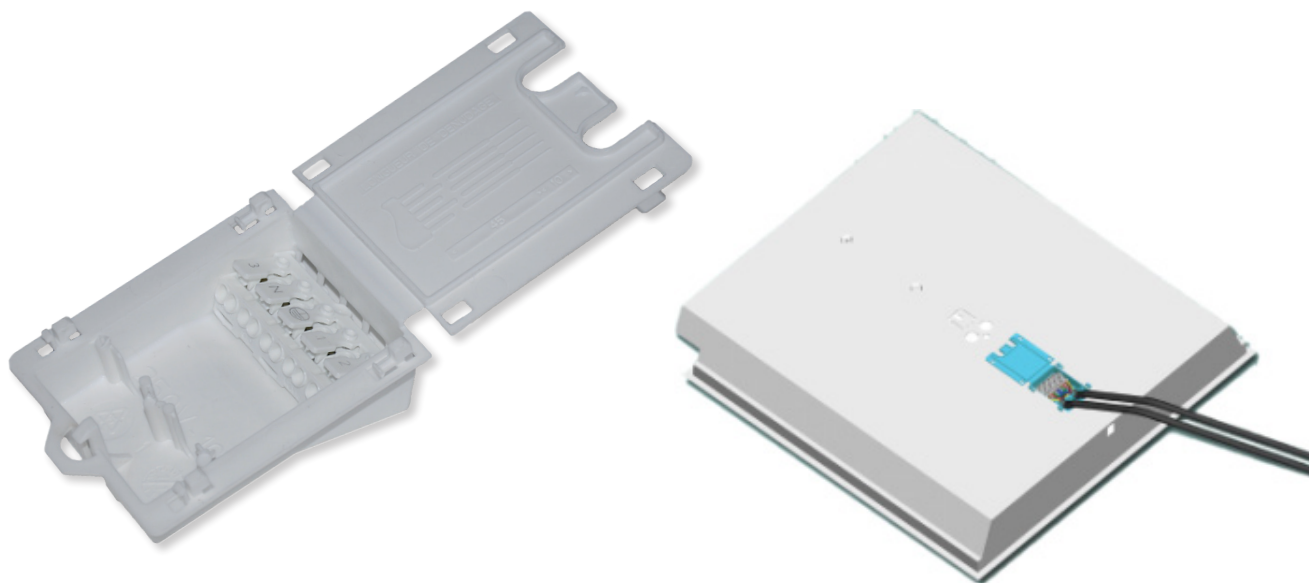
ISODOM® BRF 5P PSF (WITHOUT TERMINAL BLOCK)

000004 840705

ISODOM® BRF 5P N°2 (WITH BJB TERMINAL BLOCK)

P00004 840704

Packing unit 150



### PURPOSE

- Enables direct connection of fluorescent lighting to the mains from the outside without having to disassemble the luminaire

### FEATURES

- Made of injection moulded insulating thermoplastic that meets the incandescent wire test requirements
- Suitable for continuous use at 125°C
- Consists of a box + cover assembly
- A 5-poles automatic terminal block can be selected among different suitable types
- Colour: white
- Overall dimensions of the box: 90 x 70 x 33 mm

### ADVANTAGES

- Easy to install without any tools without any force in four steps
- Ready to connect
- For the MANUFACTURER the ISODOM® BRF represents a positive accomplishment of his product
- For the ELECTRICIAN the ISODOM® BRF considerably simplifies connection of luminaire to the mains supply in a simple and rapid way without having to dismantle neither tubes nor louvers
- Internal and external connection is made using an automatic terminal block (several different types are compatible)
- Allows DIRECT LOOPING-IN in conformance with installation rules

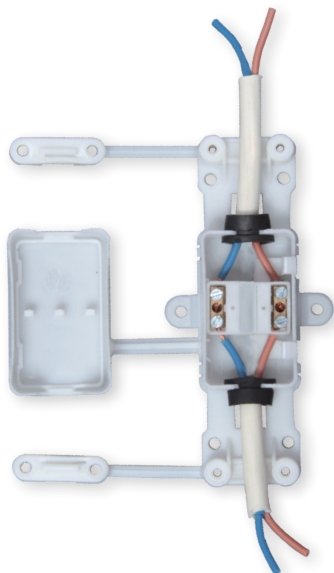
# ISSET BOXES IP44

## CERTIFIED BY LCIE - PATENTED PRODUCT

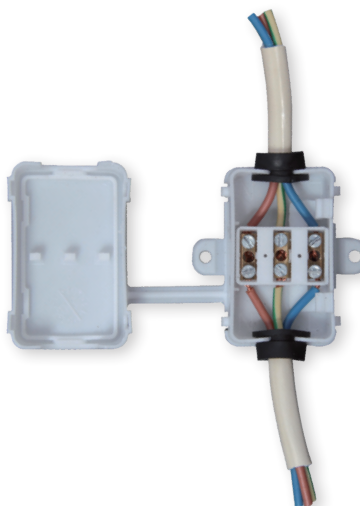
ISSET SÉRIE 200 - 2 PÔLES

ISSET SÉRIE 300 - 3 PÔLES

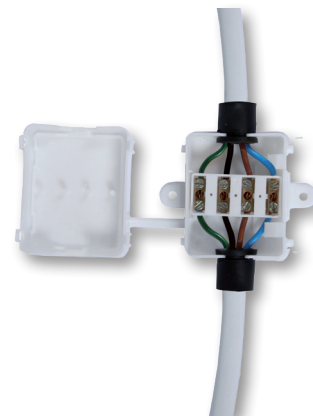
ISSET SÉRIE 400 - 4 PÔLES



ISSET 2 poles version



ISSET 3 poles version



ISSET 4 poles version

## PURPOSE

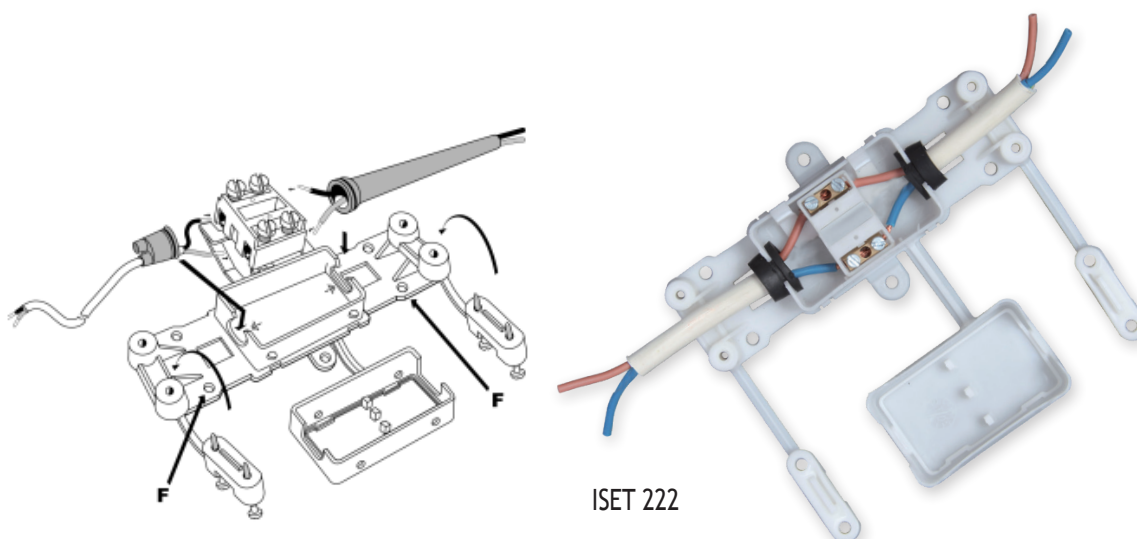
- To provide an insulation cover Class I or Class II, with an IP44 degree of protection for 2 or 3-pole connections. Carry out connection as follows:
  - Long sleeve: 2 or 3 single wire insulated 1.5 mm<sup>2</sup> from the mains supply (wall, ceiling power outlet, etc)
  - Small twin hole sleeve: 1 or 2 flat cables, double insulation, H03 V V H2F type
  - Small single hole sleeve: a round cable double insulation, 3 x 0.75 to 3 x 1.5 mm<sup>2</sup> type H03 V V F or H05 V V F with Ø max. 8 mm

## FEATURES

- Made of injection moulded insulating thermoplastic that meets the incandescent wire test requirements
- Suitable for continuous use at 105°C
- IP44 protection
- Consists of a box + cover assembly with a HINGED TERMINAL BLOCK and 2 quick fit-sleeves in order to enable easy connection
  - The 8 cm flexible sleeve provides additional insulation to single insulation wires from the mains supply as well as the IP protection to the box
  - The small sleeves provide IP protection at opposite side and assure cord grip function
- Colour: white
- Overall dimensions, box closed: 50 x 30 x 15 mm without cable grips
- Overall dimensions, box closed: 100 x 30 x 15 mm with two cable grips

# ISET BOXES IP44

**CERTIFIED BY LCIE - PATENTED PRODUCT**



## ADVANTAGES

- ISET IP44 allows to connect lightings outside or in humid rooms like bathrooms or kitchens
- The HINGED TERMINAL BLOCK enables quick and easy connection
- Captive parts
- Can be used in Class II metal lamps without the need for any additional fittings.
- Compliance with European Standard EN 60598

## ASSEMBLY

- Insert the long sleeve on the wires coming from the mains supply
- The small sleeves are inserted on the cables coming from one or more lightings
- Carry out connections of terminals while terminal block is hinged outside of the box
- Clip the terminal block into the box
- Insert sleeve end into box opening
- If present, lock cable grips
- Clip on the cover to close the box
- The box can be reopened by inserting a tool between the cover and the rim of the base plate

## CAUTION

- The earth conductor must be longer than phase and neutral conductors
- For options with cable grip the housing should be fixed using holes "F" situated at cable grips

## OPTIONS

- 2 terminal version
- 3 terminal version
- 4 terminal version
- Version with one small sleeve at either side
- Version with or without cable grip

# ISSET BOXES IP44

## CLASS II EN 60998 AND EN 60670 - PATENTED PRODUCT

ISSET SERIES 200 WITHOUT CABLE GRIP

ISSET 201 P00098 796506

ISSET 202 P00098 796507

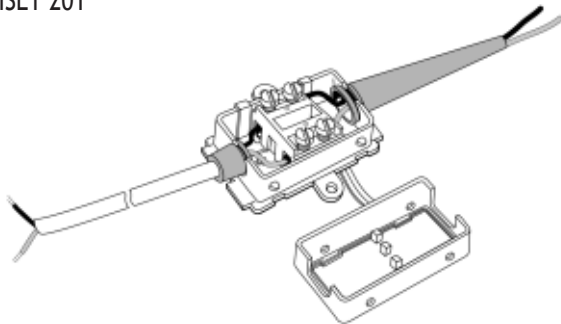
ISSET 203 P00098 796508

ISSET 204 P00098 796509

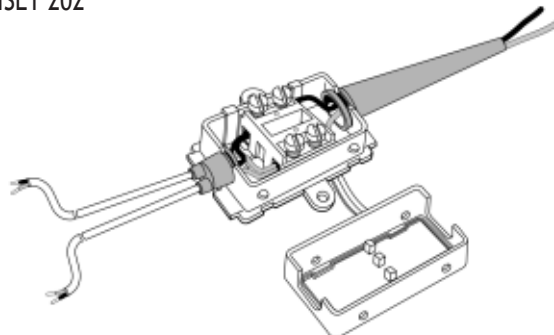
ISSET 205 P00098 796510

Packing unit 200

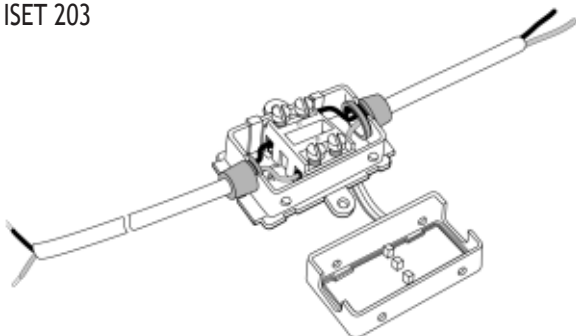
ISSET 201



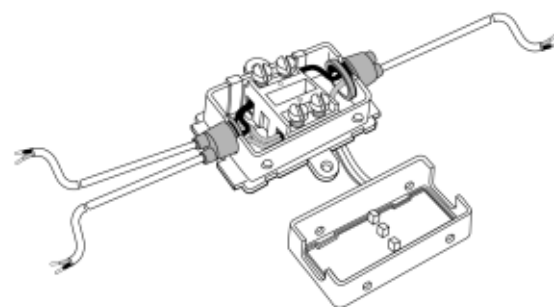
ISSET 202



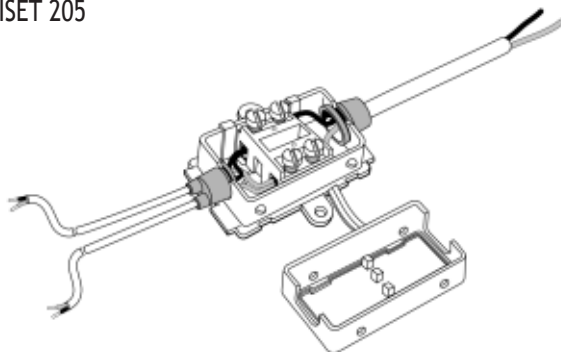
ISSET 203



ISSET 204



ISSET 205



ISSET 201





# ISSET BOXES IP44

## CLASS II EN 60998 AND EN 60670 - PATENTED PRODUCT

ISSET SERIES 200 WITH CABLE GRIP

ISSET 221 P00098 796511

ISSET 222 P00098 796512

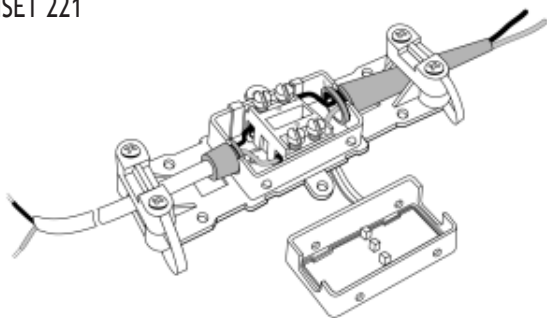
ISSET 223 P00098 796513

ISSET 224 P00098 796514

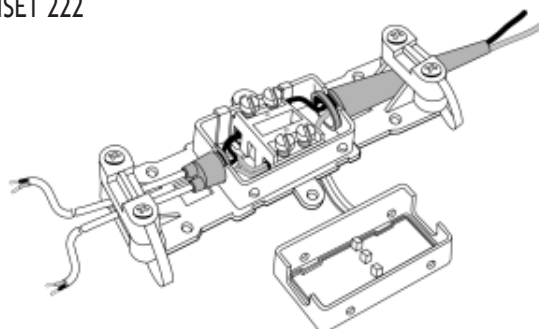
ISSET 225 P00098 796515

Packing unit 100

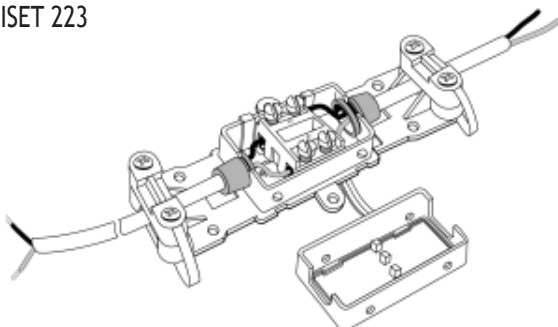
ISSET 221



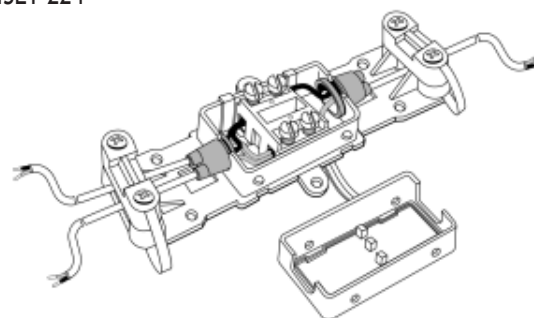
ISSET 222



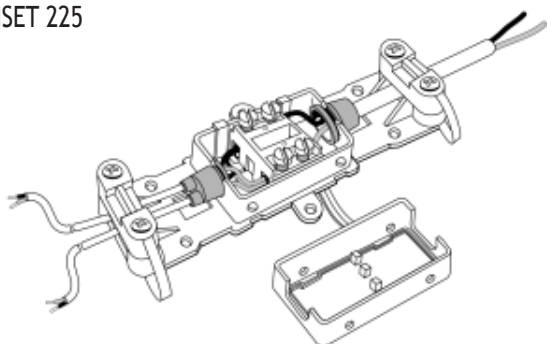
ISSET 223



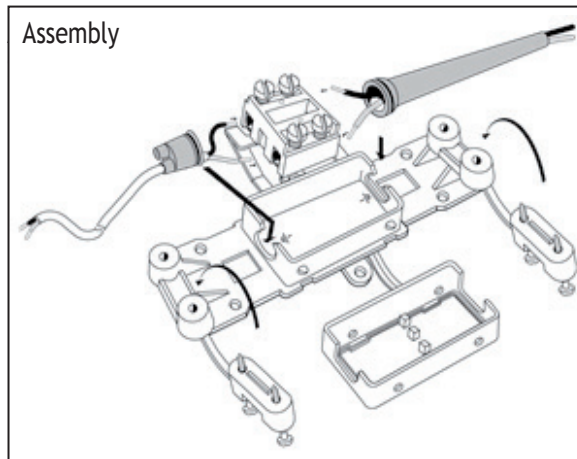
ISSET 224



ISSET 225



Assembly





# ISSET BOXES IP44

## CLASS II EN 60998 AND EN 60670 - PATENTED PRODUCT

ISSET SERIES 300 WITHOUT CABLE GRIP

ISSET 301 P00098 796516

ISSET 302 P00098 796517

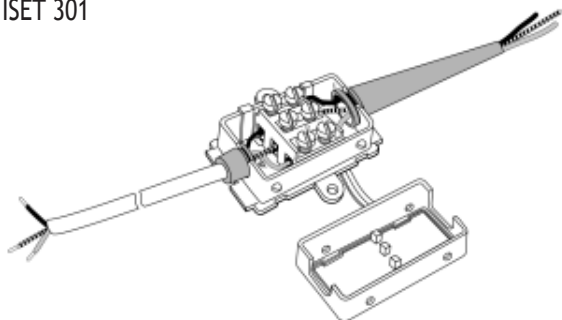
ISSET 303 P00098 796518

ISSET 304 P00098 796519

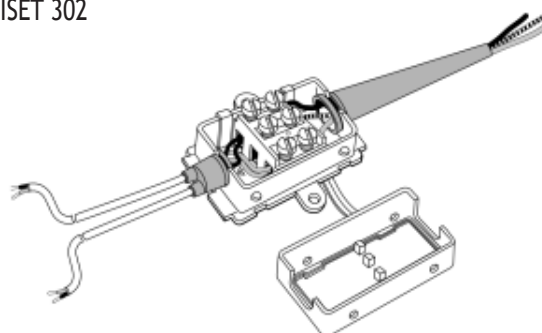
ISSET 305 P00098 796520

Packing unit 200

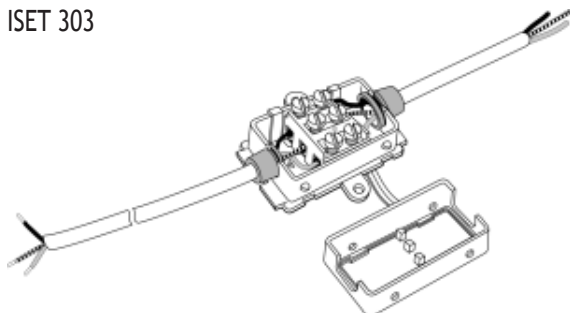
ISSET 301



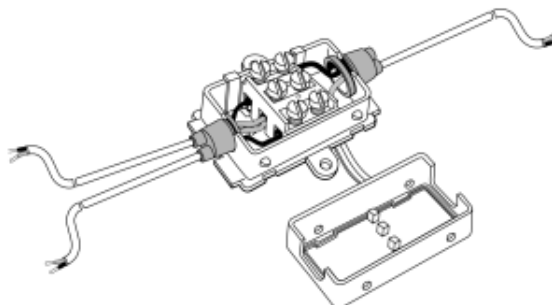
ISSET 302



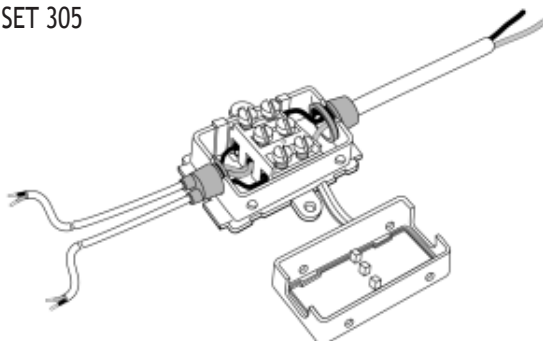
ISSET 303



ISSET 304



ISSET 305



# ISSET BOXES IP44

## CLASS II EN 60998 AND EN 60670 - PATENTED PRODUCT

ISSET SERIES 300 WITH CABLE GRIP

ISSET 221 P00098 796521

ISSET 222 P00098 796522

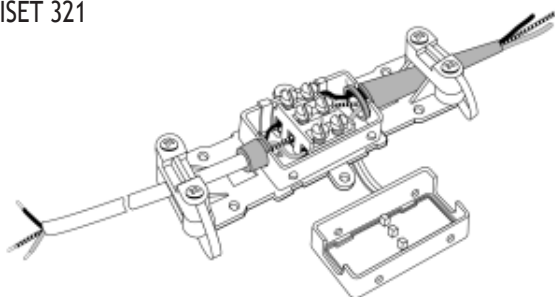
ISSET 223 P00098 796523

ISSET 224 P00098 796524

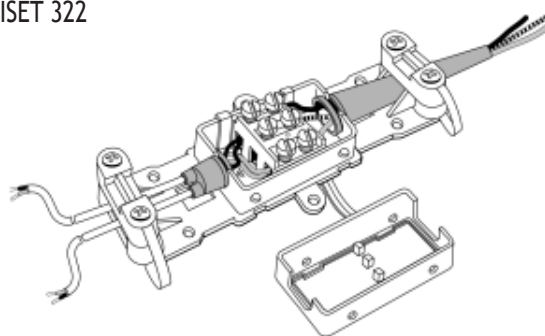
ISSET 225 P00098 796525

Packing unit 100

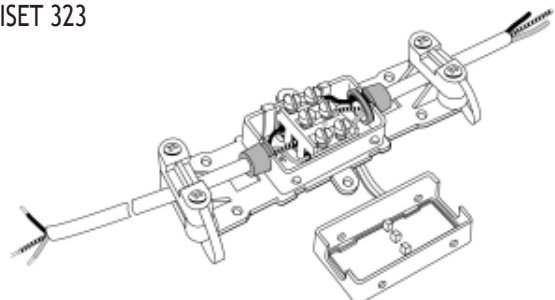
ISSET 321



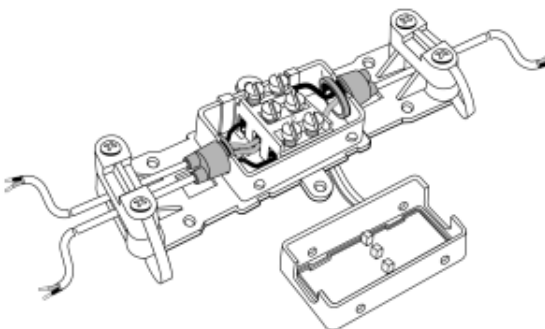
ISSET 322



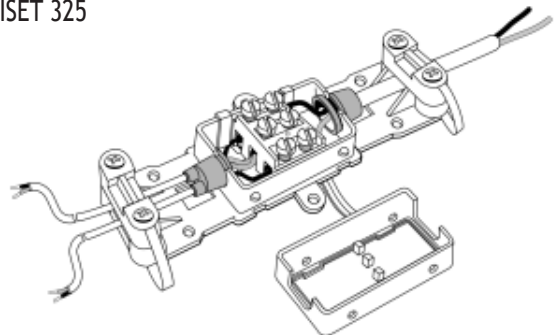
ISSET 323



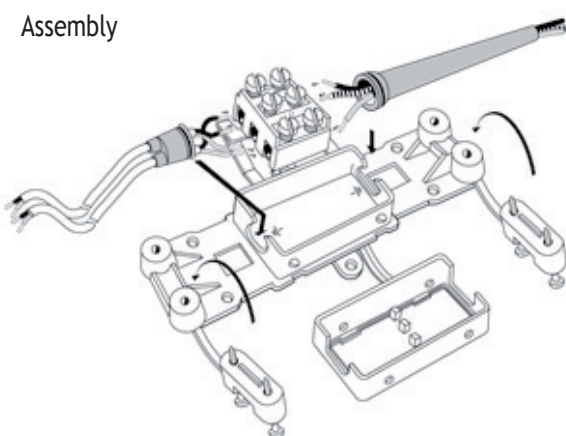
ISSET 324



ISSET 325



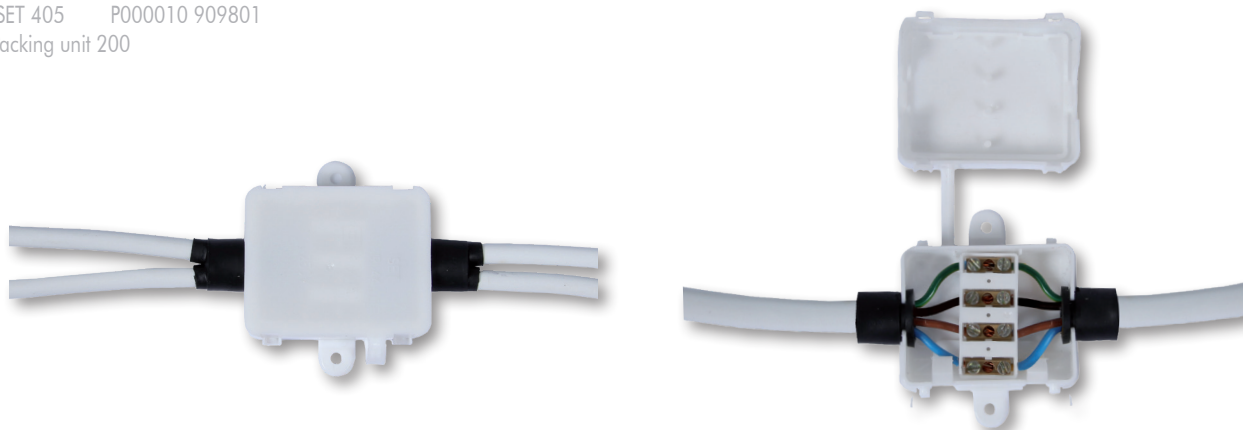
Assembly



# ISET 4 POLES CONNECTION BOX

**A PATENTED WATERTIGHT IP44 CONNECTION BOX  
CLASS II EN 60998 AND EN 60670**

ISET 401 P000011 909805  
ISET 402 TO BE CREATED  
ISET 403 P000011 909802  
ISET 404 P000011 909803  
ISET 405 P000010 909801  
Packing unit 200



## USE

- Links motorized roller shutters to a single network, in accordance with installation regulations

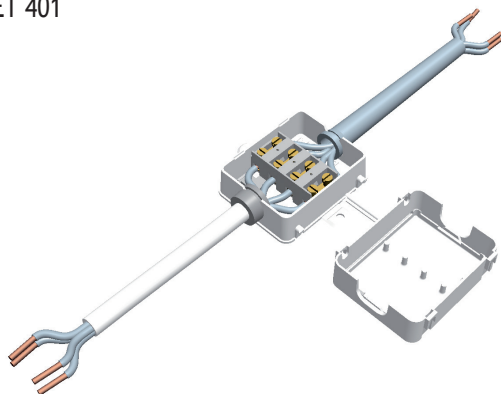
## FEATURES

- Thermoplastic injection moulded with insulating materials
- Connection box comprises an attached cover, a hinged terminal block and attachable sleeves to facilitate connection:
  - The long flexible 8 cm sleeve ensure additional insulation for single insulated conductors (1.5 mm<sup>2</sup> cross section) of electrical installations located in walls, ceilings etc., and ensures that the connection box remain watertight
  - The short sleeves are watertight and secure wires to the connecting box (Single sleeve for round double insulation wire 4 x 0.75 mm<sup>2</sup> to 4 x 1.5 mm<sup>2</sup> or double small sleeves for 1 to 2 double insulation rectangular wire type H03 V V H2F)
- Exterior dimensions for closed box:  
ISET 4 poles: 50 x 40 x 15 mm
- Several options:  
ISET 403: 4 poles with a small sleeve at either side for round cable  
ISET 404: 4 poles with a small sleeve at either side for flat cable

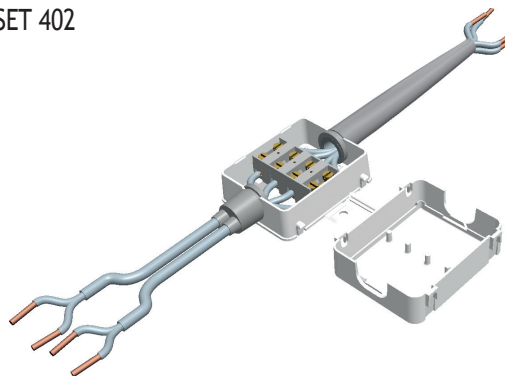
# ISSET 4 POLES CONNECTION BOX

**A PATENTED WATERTIGHT IP44 CONNECTION BOX  
CLASS II EN 60998 AND EN 60670**

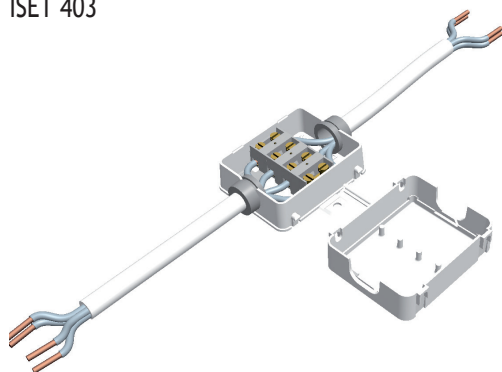
ISSET 401



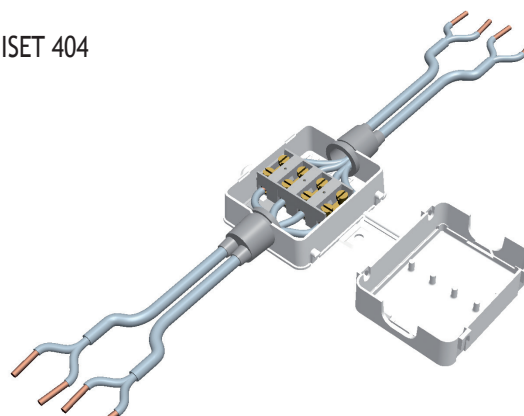
ISSET 402



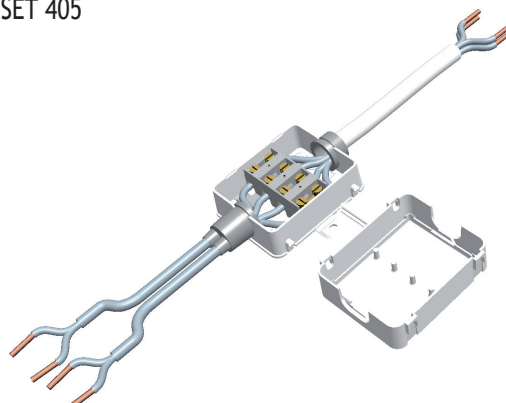
ISSET 403



ISSET 404



ISSET 405



## BCR RAPID CONNECTION BOX – IP54

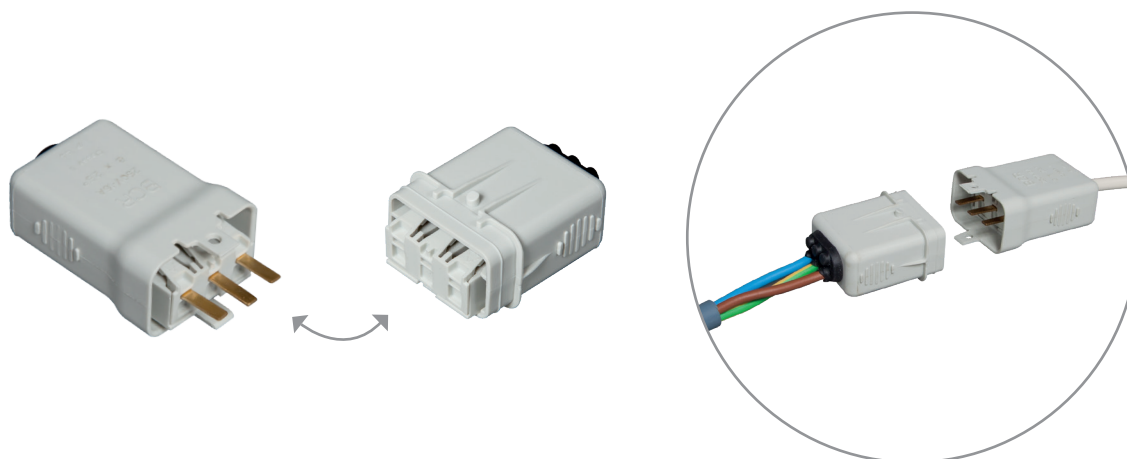
BCR IP54 FEMELLE (2 POLES CONNECTOR, FEMALE PART) REF. P00014 946203

BCR IP54 MALE (2 POLES CONNECTOR, MALE PART) REF. P00014 946200

BCR IP54 FEMELLE 3 POLES (3 POLES CONNECTOR, FEMALE PART) REF. P00014 946205

BCR IP54 MALE 3 POLES (3 POLES CONNECTOR, MALE PART) REF. P00014 946204

Packing unit 100



### PURPOSE

- Provides a rapid connection for electrical appliances and/or a luminaire with an IP 54 protection

### FEATURES

- Exterior dimensions of the box (mounted): 87 x 36,5 x 24 mm
- 250 V / 16A
- BCR is composed of:
  - A « female » part + rapid connectors without screw
    - + integrated strain relief + sealing sleeve with 6 independent outlets
  - A « male » part with 2 or 3 pins + rapid connectors without screw
    - + integrated strain relief + sealing sleeve 1 inlet for round cable 2 or 3 conductors
- Compatible with cables 2G 0,75 mm<sup>2</sup> HO3VVF on the lamp or electrical appliance side
- Compatible with round cable 3G 2,5mm<sup>2</sup> HO5W - power side
- Colour: grey
- Made of an insulating injected thermoplastic material
- Meets the standards NF C 15-100 and EN 60998 class I or II
- Operating temperatures: -20°C / +105°C

### ADVANTAGES

- IP 54 connector suitable with humid rooms or outdoor applications
- Strain relief: no additional external screwing step to stop the cable
- Hinged strain relief allowing a simple and rapid connection
- Compatible with rigid or stranded cable
- A piston on each terminal block provides direct looping-in and easy connection
- Fool-proof device on the box to avoid inversions of connection
- A retaining clip ensures male and female parts remain securely fastened
- Integrated cable grip: no need of an additional operation to grip the cable
- Hinged terminal block for an easy connection

# STAR CRET CONNECTOR – IP 66

## 3 OR 5 POLES

STAR CRET 5P

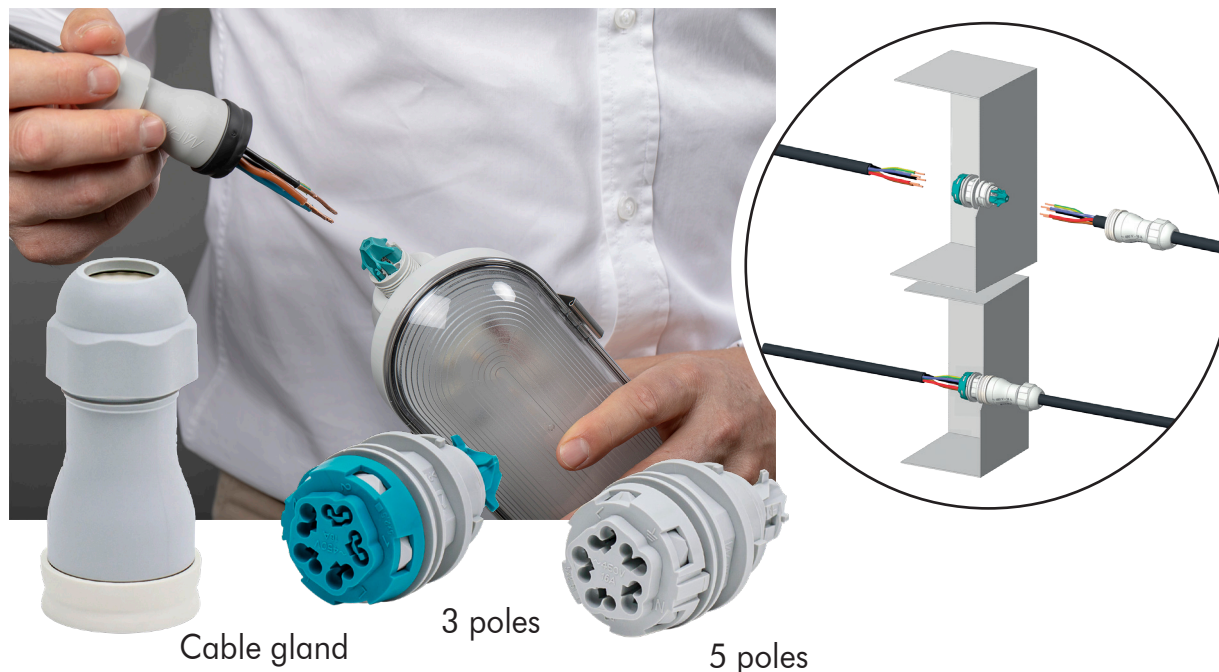
P00018 980802

STAR CRET 3P

P00018 980803

CABLE GLAND FOR 3/5P STAR CRET

P00018 981000A0



### PURPOSE

- Terminal with screwless-type contacts
- STAR CRET allows an IP 66 protected electrical connection through a board without removing its cover during installation

### FEATURES

- Housing and sealing gaskets: UL94 V0 thermoplastics
- Mounting into a standard 20 mm hole
- Inner overall length 28,2 mm
- Wiring:
  - Outside: rigid or swaged leads (0,5 up to 2,5 mm<sup>2</sup>)
  - Inside: rigid, swaged or stranded leads (0,75 to 2,5 mm<sup>2</sup>)
  - Eligible cables sections for the cable stop gland 5 to 11 mm<sup>2</sup>
- Current rating 16A/450V
- Easy outer disconnection
- Colours:
  - Light grey for 5 poles version
  - Light grey and green for 3 poles version
- VDE certification

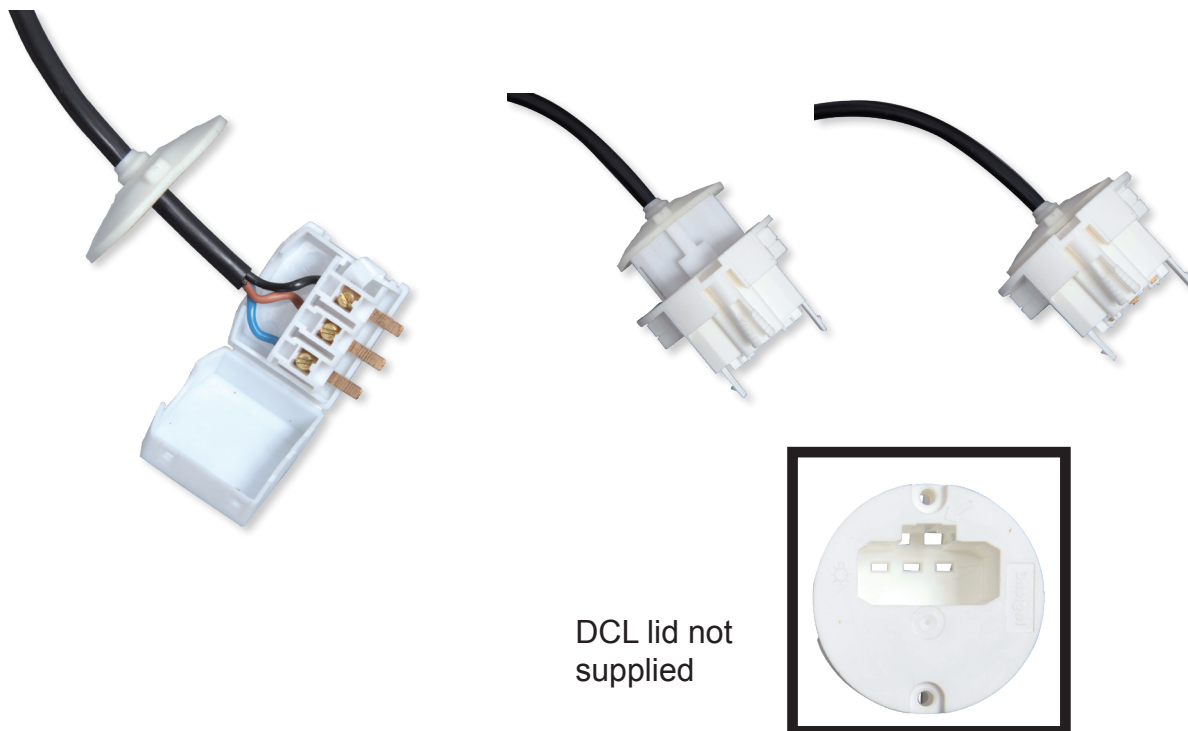
### ADVANTAGES

- Quick connection
- Can connect 5 2.5mm<sup>2</sup> leads within a 20 mm hole



# ISODOM DCL IP44 (PATENTED)

ISODOM DCL IP44 REF. P00009 901902



## PURPOSE

- To provide a connection between a lighting fixture on a DCL connecting device with an IP44 degree of protection

## FEATURES

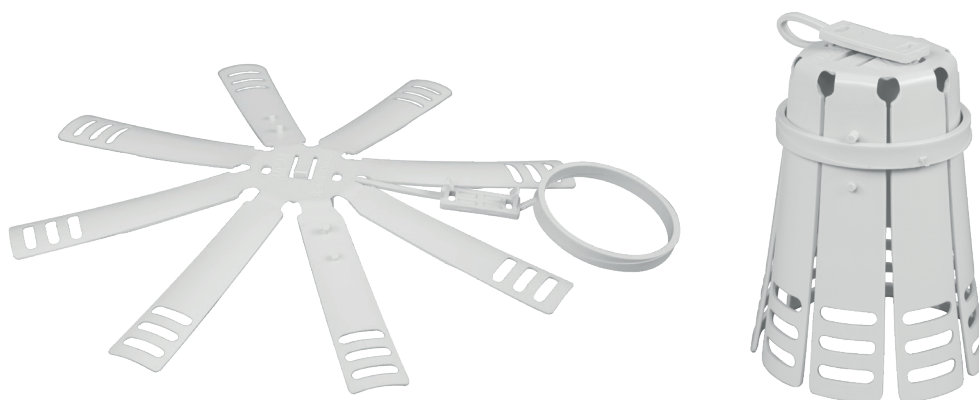
- 2P+ E – 6A – 250 V
- DCL socket made of a box + cover assembly with a hinged terminal block – 3 poles and a rubber seal which insures the set's waterproofness
- DCL lid not supplied
- Compatible with round cable type H03 V V F (3 x 0,5 mm<sup>2</sup> or 3 x 0,75 mm<sup>2</sup>)
- Colour: white
- Made of injection moulded insulating thermoplastic that meets the incandescent wire test requirements
- Suitable for continuous use at 105°C
- Compliance with standard NF C 15-100

## ADVANTAGES

- Waterproof system with IP44 degree of protection for kitchen or bathrooms appliance
- Integrated cable grip: no need of an additional operation to grip the cable
- Hinged terminal block for an easy connection

# SPOTISOL - Protection for recessed spotlights

SPOTISOL WITH RING 000013 940302 Packing unit 60



Complies with:  
Standard NF C15-100  
Standard EN 60 598

## USE

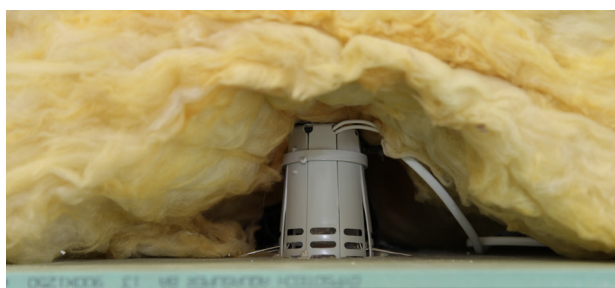
- To be recessed into lofts, SPOTISOL allows insulation of spotlights from roll or blown insulation

## FEATURES

- Recessed diameters between 62 and 90 mm
- Delivered with breakable holding ring
- Height: 105 mm
- Usable from -20 ° C to +110 ° C continuously
- Maximum power: 50W with roll insulation / 35W with blown insulation ( $\geq 10\text{mm}$ )
- Fire resistance : Self-extinguishing UL94 V2

## ADVANTAGES

- No need to access the lofts
- Assembly without a tool
- Compatible with all types of non-combustible class M0 insulation (blown insulation or roll insulation)
- Compatible with halogen and LED spotlights
- Designed to be held in position, impossible to lose it into the loft
- The metal bracket of the connection box is fastened on top of the spotlight





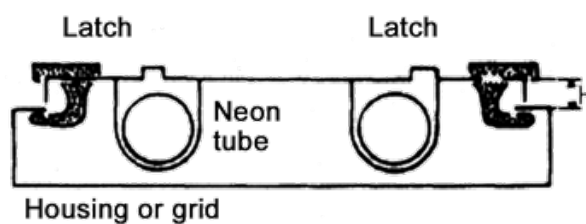
# HOUSING LATCH

## PATENTED PRODUCT

HOUSING LATCH STD (H 11,7) 000079 661804 Packing unit 2250  
HOUSING LATCH PT (H 9,7) 000084 697601 Packing unit 4500



### ASSEMBLY



### PURPOSE

- For installation on the components support plate of a neon light, the housing latch is used to attach the housing (or grid) onto its base

### FEATURES

- Available in two versions according to gap under the hook:
  - 11.7 mm (Std)
  - 9.7 mm (PT)

### ADVANTAGES

- Time-saving assembly: made of a single clip-on part)
- Made of PPO Noryl

# INSERT FOR LAMPSHADES

INSERT FOR LAMPSHADES 000079 666001 Packing unit 1250



## PURPOSE

- To store and handle lampshades without damaging the lampshade material
- Suitable for:
  - ø 28 mm bases (E 14 or B 22)
  - ø 42 mm (E27)

## PRESENTATION

- Colour: white
- Effective height: 35 mm

# LAMPSHADE FIXING PIN

LAMPSHADE FIXING PIN 000020 810001 Packing unit 500



## PURPOSE

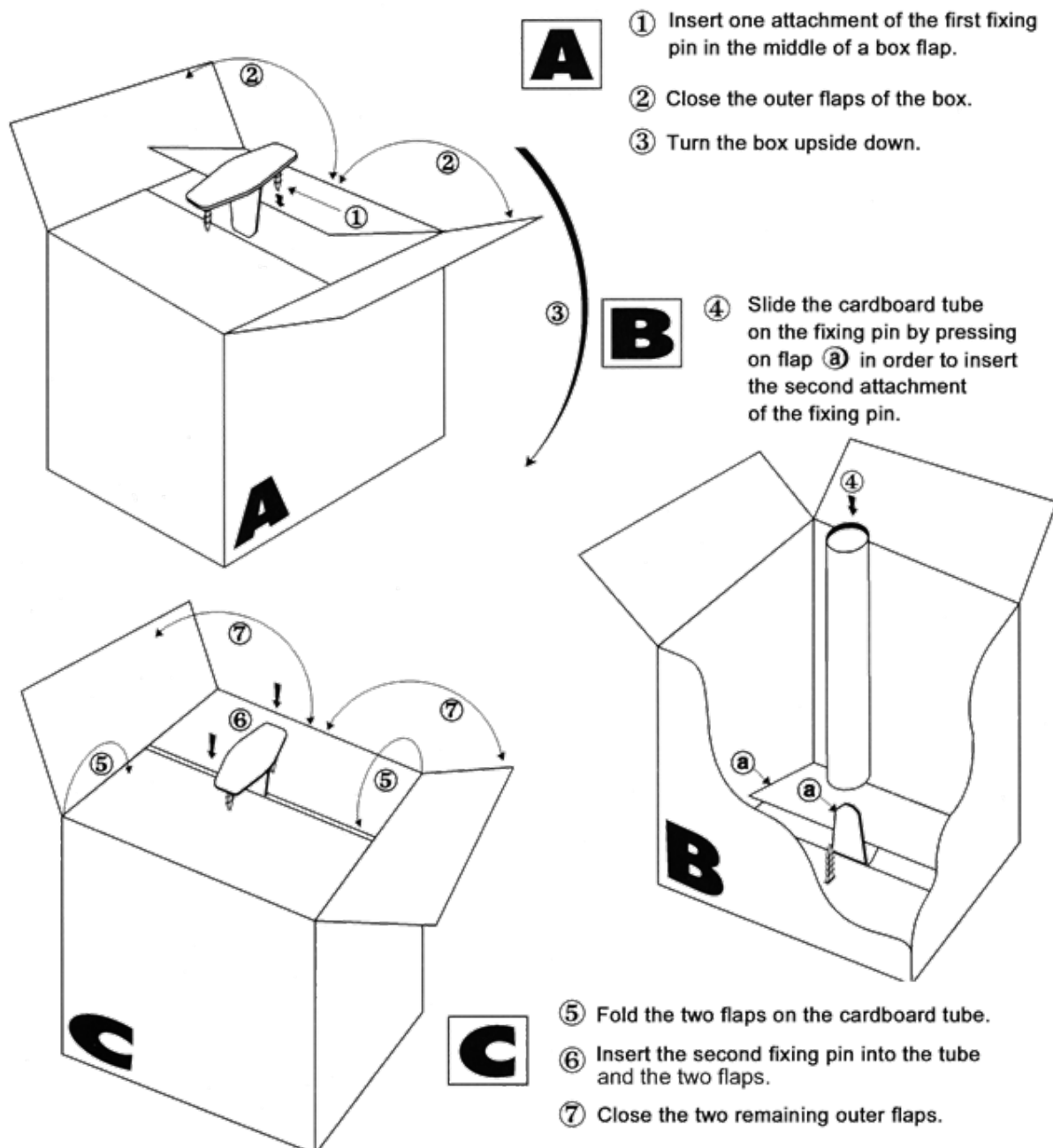
- Allows to fix a 40 mm diameter cardboard tube for packaging of lamp shades in cardboard boxes

## ADVANTAGES

- Solid positioning of tube
- Rapid and easy to apply

# LAMPSHADE FIXING PIN

## ASSEMBLY



# LAMPSHADE ADAPTOR

## PATENTED PRODUCT

LAMPSHADE ADAPTATOR WHITE 000012 923801

LAMPSHADE ADAPTATOR GOLD 000012 923803

LAMPSHADE ADAPTATOR BLACK 000012 923802

Packing unit 1000



## PURPOSE

- Fitted on a  $\varnothing$  42 metal lampshade base (for E 27 sockets), it enables installation of E 14 or B sockets.

## PRESENTATION

- Adaptors:  
For ordinary lampshade bases (int.  $\varnothing$  40.6 to 42 mm, thickness 0.5 to 1.3 mm)
  - White coloured
  - Gold coloured
  - Black coloured

# PLB COUPLING UPPER Ø 10

## PATENTED PRODUCT

PLB COUPLING UPPER 10

000081 679605 Packing unit 5000



### PURPOSE

- To be force fitted (using a tool) on a wooden lamp stand (drilled to 9.0 - 10.0 mm)

### FEATURES

- Thread: 10 x 100
- Colour: brown

### ADVANTAGES

- Used to attach the socket and the lampshade
- Cannot be removed

# ISOSTOP

## CLASS II EN 60598 - CERTIFIED BY LCIE - PATENTED PRODUCT

ISOSTOP E 14 000081 682905 Packing unit 8000  
ISOSTOP E 27 000081 682906 Packing unit 6000



ISOSTOP E27



ISOSTOP E14

### PURPOSE

- To serve as an insulating end-fitting, rotation stop and cable grip in E 14 and E 27 sockets
- Can be used with flat wire H 03 V V H2F (thickness: 3.0 to 3.6 mm, width: 5.1 to 5.7 mm)

### FEATURES

- Colour: white
- Maximum temperature for use: 95°C

### ADVANTAGES

- Can be used in all types of metal or plastic end-fittings with int.  $\varnothing$  6.7 to 7.8 mm
- Both insulation and cable grip function
- Easy to install

# ISOLATOP#

## CLASS II EN 60598

ISOLATOP E14 000084 695101 Packing unit 12000  
ISOLATOP E27 000084 695102 Packing unit 5000



### PURPOSE

- Same functions as the Isostop but for E 14 and E 27 sockets with a side wire outlet
- Can be used with flat wire H03 V V H2F (thickness: 3.0 to 3.6 mm; width: 5.1 to 5.7 mm)

### FEATURES

- Colour: white
- Maximum temperature for use: 95°C

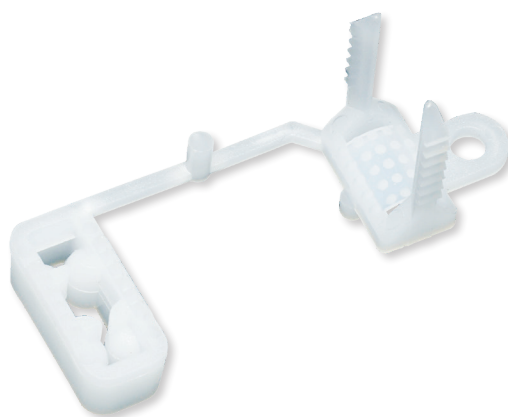
### ADVANTAGES

- Can be used in all types of metal or plastic end-fittings with int.  $\varnothing$  6.7 to 7.8 mm
- Both insulation and cable grip function
- Easy to install



# FILSTOP

FILSTOP Ø 4 WHITE 000080 675704 Packing unit 1000



## PURPOSE

- Serves as cable grip and antirotation device for all types of lightings (reflector lamps, recessed spotlights, fluorescent, table / floor lamps, etc)

## FEATURES

- Attachment available:
  - Ø 4.2 mm hole (on socket, bottom plate, base or other)
- Colours: White

## ADVANTAGE

- Can be used with any number and type of wires

# ELECTRICAL PROTECTION CLASSES

Electrical safety and the application of the "RULES-OF-THE-ART" means protecting the user against any risks of "ELECTRIC SHOCKS", by taking the appropriate protection measures against:

- Direct contacts      ► Inaccessibility of the electrified parts  
Main insulation.
- Indirect contacts    ► Eliminating the risk of the product's ground becoming electrified  
due to wear, aging, excessive heating, deformations, etc.

"ELECTRICAL PROTECTION CLASSES" have therefore been defined which light fittings must comply with.

## CLASS I

Lights whose protection against ELECTRIC SHOCKS is only provided by the MAIN INSULATION and all of whose accessible conducting parts are connected to ground  
Any accidental electrification of the light's ground must cause activation of the protection device

All lights in this category must have a CONNECTOR WITH A GROUND PIN or a GROUND TERMINAL

## CLASS II

Lights whose protection against ELECTRIC SHOCKS is provided by a range of design provisions making any electrification of accessible conducting parts unlikely

By adding "ADDITIONAL INSULATION" to the main insulation or by reinforcing it ("REINFORCED INSULATION"), it must not be possible to connect these lights to ground

## CLASS III




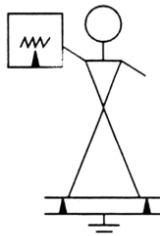
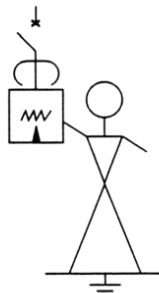

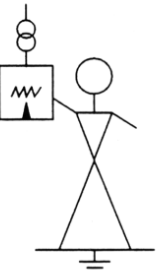
Lights whose protection against ELECTRIC SHOCKS is based on a Very Low Safety Voltage (VLSV) power supply in which there are no voltages higher than the VLSV

VLSV = Very Low Safety Voltage

- Voltage lower than 50 V, powered by a safety power source
- Voltage lower than 24 V in humid environments

Note : Class 0 is not mentioned, since it is not authorized by regulations.

# ELECTRICAL PROTECTION CLASSES

<b>PROTECTING PEOPLE AGAINST ELECTRIC SHOCKS</b> (the protection class numbering does not imply any hierarchical order)				
A P P L I A N C E				
PROTECTION LEVEL	Class 0	Class I	Class II	Class III
First	Main insulation	Main insulation	Main insulation	Voltage lower than 50 volts VLSV
Second	Dry and non conducting room (insulation by the floor)	Connection to ground and associated cutout device	Double or reinforced insulation	Safety power supply
 Main insulation  Additional insulation  Ground				

per EN 60598 standard

## DEFINITION OF INSULATIONS

### • MAIN INSULATION

Insulation of the live parts, intended to provide the main protection against electric shocks.

Note : the main insulation does not necessarily include the insulation used for functional purposes only

### • ADDITIONAL INSULATION

Independent insulation applied in addition to the main insulation with a view to providing protection against electric shocks in the event of the main insulation failing














### • DOUBLE INSULATION

Insulation including main insulation and additional insulation

### • REINFORCED INSULATION

Single system insulating the live parts and providing a degree of protection against electric shocks equivalent to double insulation.

# SYMBOLS

Ground connection .....			
Amps .....	A		
Frequency (hertz) .....	Hz		
Volts .....	V		
Watts .....	W		
Class II .....			
Class III .....			
Nominal maximum ambient temperature .....	$t_a \dots^\circ\text{C}$		
Warning that cool beam lamps must not be used .....			
Minimum distance from illuminated objects (meter) ..			
Lights suitable for direct installation on normally flammable surfaces .....			
Ordinary .....	IP20	No symbol	
Protected against vertically falling water .....	IPX1		(a drop)
Rain proof .....	IPX3		(drop in a square)
Splash proof .....	IPX4		(drop in a triangle)
Protected against water jets .....	IPX5		(two triangles each containing a drop)
Immersion proof .....	IPX7		(two drops)
Immersion proof under pressure .....	IPX8		(two drops followed by the maximum immersion depth in meters)

Note : marking of the symbols corresponding to the IP numbers is optional.

# SYMBOLS

Protected against solid bodies larger than 2,5 mm .....	IP3X	No symbol
Protected against solid bodies larger than 1 mm .....	IP4X	No symbol
Protected against dust .....	IP5X	 (Hatching without box)
Dustproof .....	IP6X	 (Hatching in box)

Use of heat resistant interconnection power cables or external wiring .....		(The number of cable cores is optional)
--	---	--

Lights for silvered bowl lamps .....	
--------------------------------------	---

Lights for severe operating conditions .....	
--	---

Lights for use with high pressure sodium vapour lamps requiring an external initiator .....	
--	---

Lights for use with high pressure sodium vapour lamps requiring an external initiator .....	
--	---

- Very Low Voltage = VLV  
voltage lower than 50 V
- Very Low Safety Voltage = VLSV  
voltage lower than 50 V powered by a safety power source  
voltage lower than 24 V in a humid environment



VLSV transformers (Very Low Safety Voltage transformer).



Transformers not resistant to short circuits.









Transformers resistant to short circuits.

# DEGREE OF IP PROTECTION OF CASINGS








## 1<sup>er</sup> CHARACTERISTIC NUMBER

PROTECTION AGAINST CONTACTS WITH EXTERNAL SOLID BODIES AND AGAINST THE PENETRATION OF DANGEROUS OBJECTS

Degree of protection		
	Brief description	Objects that must not be able to penetrate the casing
0	Not protected	No special protection
1	Protection against solid bodies larger than 50 mm. 	A large part of the surface of the human body hands for example (but not protection against intentional penetration). Solid bodies with a diameter of more than 50 mm.
2	Protection against solid bodies larger than 12 mm. 	Fingers or similar objects not more than 80 mm long. Solid bodies with a diameter of more than 12 mm.
3	Protection against solid bodies larger than 2,5 mm. 	Tools, wire, ect. with a diameter or thickness of more than 2,5 mm. Solid bodies with a diameter of more than 2,5 mm.
4	Protection against solid bodies larger than 1 mm. 	Wires or strips with a thickness of more than 1 mm. solid bodies with a diameter of more than 1 mm.
5	Protected against dust 	Dust penetration is not completely prevented, however dust cannot penetrate in sufficient quantity to affect the correct operation of the appliance.
6	Dustproof 	No dust penetration

## 2<sup>nd</sup> CHARACTERISTIC NUMBER

PROTECTION AGAINST LIQUID PENETRATION

Degree of protection		
	Brief description	Type of protection provided by the casing
0	Not protected	No special protection
1	Protection against vertically falling drops of water 	Water drops (falling vertically) must not have any harmful effects.
2	Protection against falling drops of water up to 15° from vertical 	Vertically falling water drops must not have any harmful effect when the casing is tilted up to 15° from its normal position.
3	Rainproof 	Rainwater falling at an angle that is less than or equal to 60° with respect to vertical must not have any harmful effects.
4	Splashproof 	Water splashing on to the casing from any direction must not have any harmful effects.
5	Protection against water jets 	Water sprayed a jet on to the casing from any direction must not have any harmful effects.
6	Conditions similar to those on a ship's deck 	In rough sea or under the effect of powerful jets, water must not penetrate the casing in any significant amount.
7	Immersion proof 	Water must not be able to penetrate the casing in any significant amount when it is immersed in water under a given pressure and for a given time.
8	Submersion proof	The appliance is suitable for prolonged immersion in water under the conditions specified by the manufacturer. Note: this usually means that the appliance is totally waterproof, but for certain types of appliance, this may mean that water can penetrate provided this has no harmful effects.

# DEGREE OF IP PROTECTION OF CASINGS

## EXAMPLES

IP 20 ordinary light.

Protected against solid bodies  $\geq 12$  mm.

No protection against liquids.

IP 44 Bathroom light.

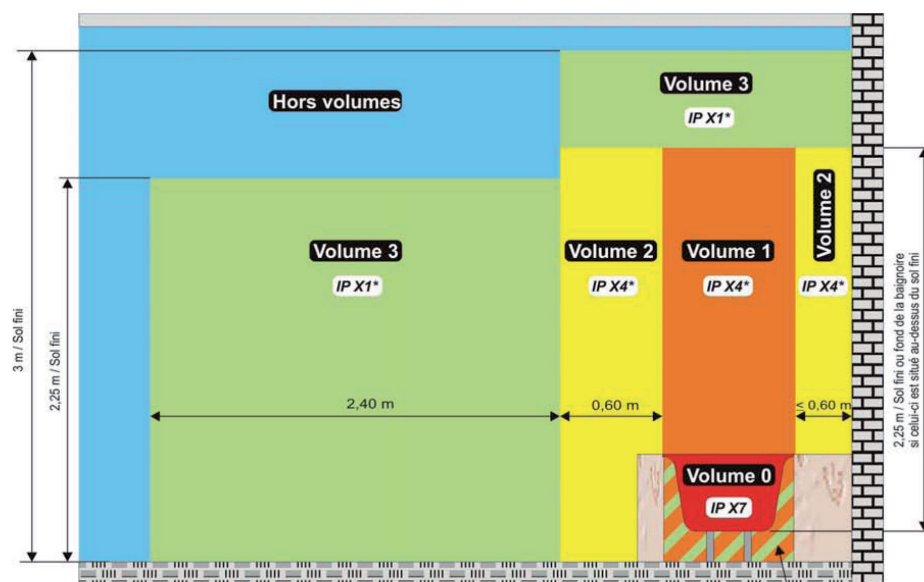
Protected against solid bodies  $\geq 1$  mm and splashproof.

NOTE: in the case of IPX1, IPX3 and IPX4: if water does penetrate, it must be possible to drain it and it must not compromise safety, in particular:

- no reduction in the creepage distances,
- no protection bowl breakage (thermal shocks),
- no lamp breakage (exposed lamps).

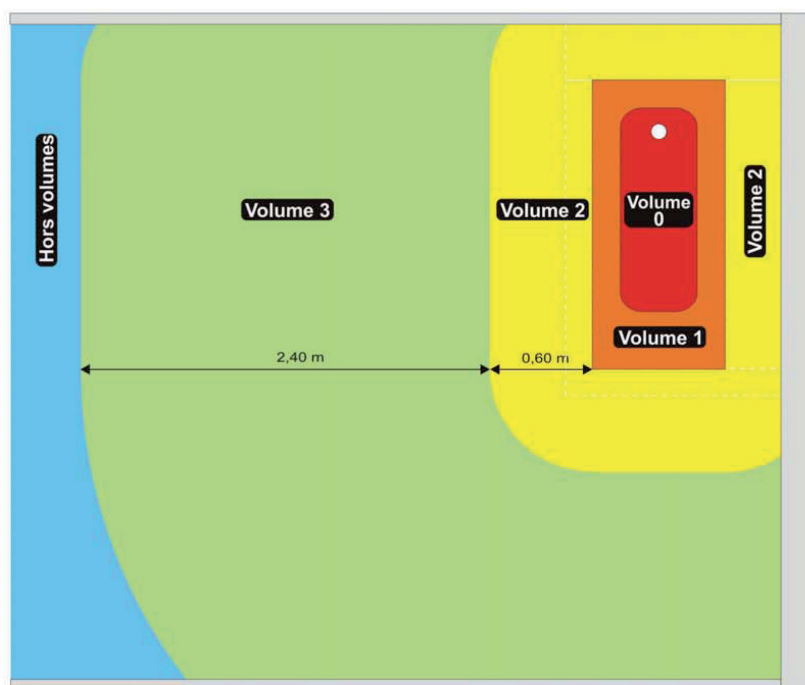
# BATHROOM VOLUMES

Per NF C 156100/A2



a) Vue de côté

Espace sous la baignoire  
Volume 1 ou Volume 3  
(voir 701.320.2)

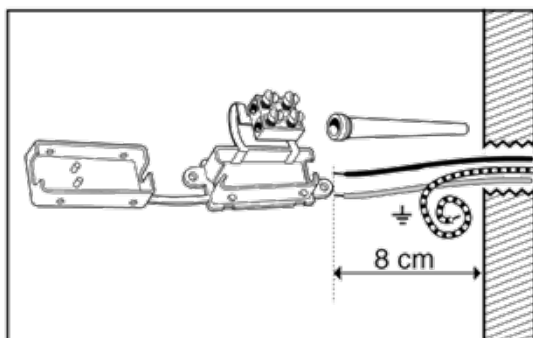


b) Vue de dessus

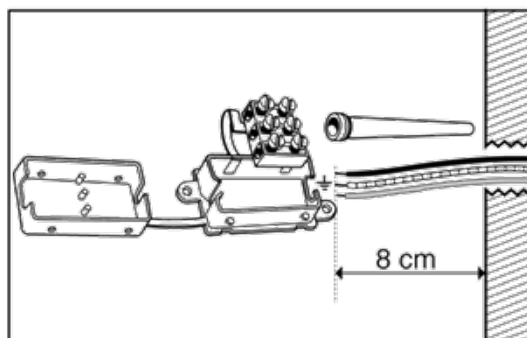
Bath



## WARNING



You do not need to connect the ground wire.



The ground wire must be connected.

### L.C.I.E. RECOMMENDATIONS CONCERNING THE USE OF CONNECTION BOXES WITH FLEXIBLE SLEEVES IN CLASS II LUMINAIRES

When connecting up to mains power, Class II fixed luminaires will only be considered conform with European Standard EN 60598, if the luminaire concerned is supplied with the instructions indicated below

#### INSTALLATION OF LUMINAIRE

- FOR LUMINAIRES COMPLYING ENTIRELY WITH CLASS II IMPORTANT

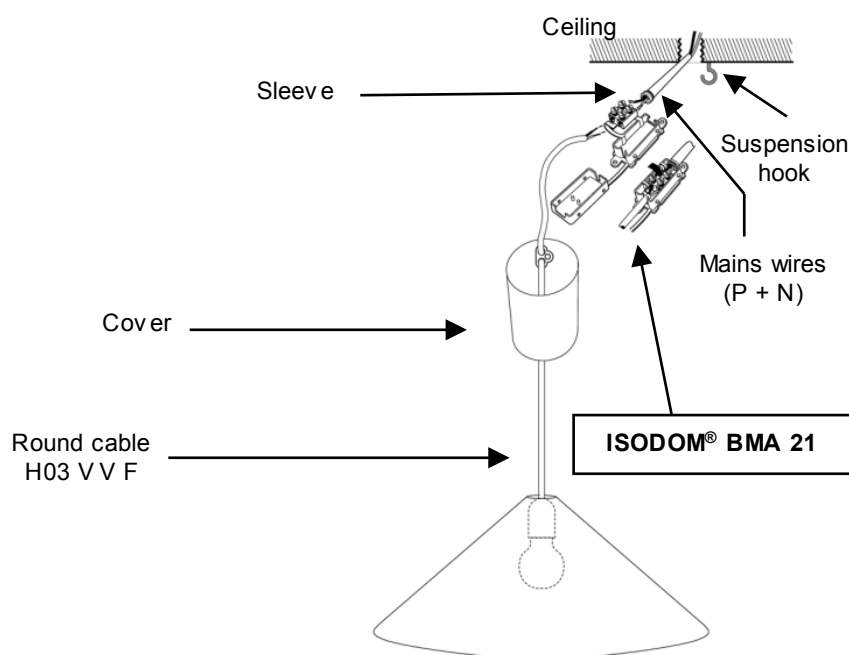
This Class II luminaire (symbol ) has reinforced insulation and therefore doesn't need a ground connection.

In order to guarantee the safety of this product, the power supply wires coming from the wall or ceiling must be not longer than 8 cm so that they are entirely protected by the flexible sleeve of the connection box (if they are shorter, shorten the sleeve).

- FOR CLASS I LUMINAIRES WITH CLASS II CEILING / WALL COVER IMPORTANT

In order to guarantee the safety of this product the power supply wires must be not longer than 8 cm so that they are entirely protected by the flexible sleeve in the connection box (if they are shorter, shorten the sleeve).

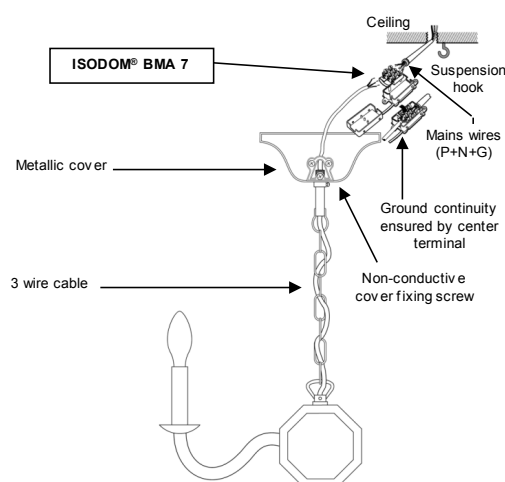
## EXAMPLES OF ASSEMBLY NOTES WHICH COULD BE FURNISHED WITH THE LUMINAIRES



### INSTALLATION OF LUMINAIRE IMPORTANT

This Class II luminaire (symbol ) has a reinforced insulation and does not need ground connection.

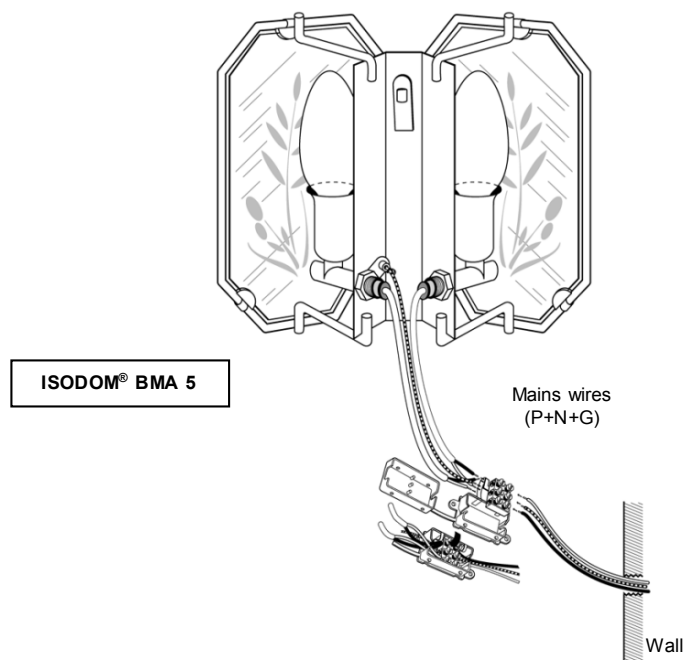
- Connect the luminaire to the box at the V type cable holder side which will keep the cable in place.
- House the wires coming from the ceiling in the sleeve. They must not be longer than 8 cm. If they are shorter than the sleeve adapt its length by cutting it to the dimension of the wires.
- Carry out connection to the box and close.



### INSTALLATION OF LUMINAIRE IMPORTANT

This Class I luminaire (with Class II zone in the cover) must have ground connection.

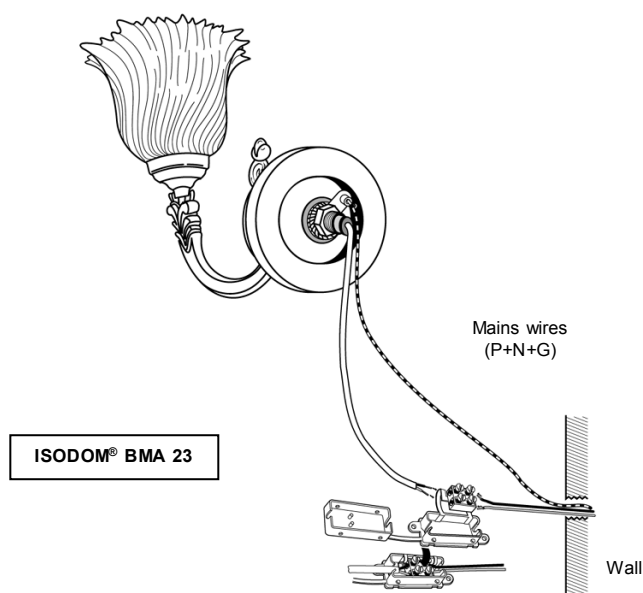
# EXAMPLES OF ASSEMBLY NOTES WHICH COULD BE FURNISHED WITH THE LUMINAIRES



## INSTALLATION OF LUMINAIRE

### IMPORTANT

This Class I luminaire must have ground connection.



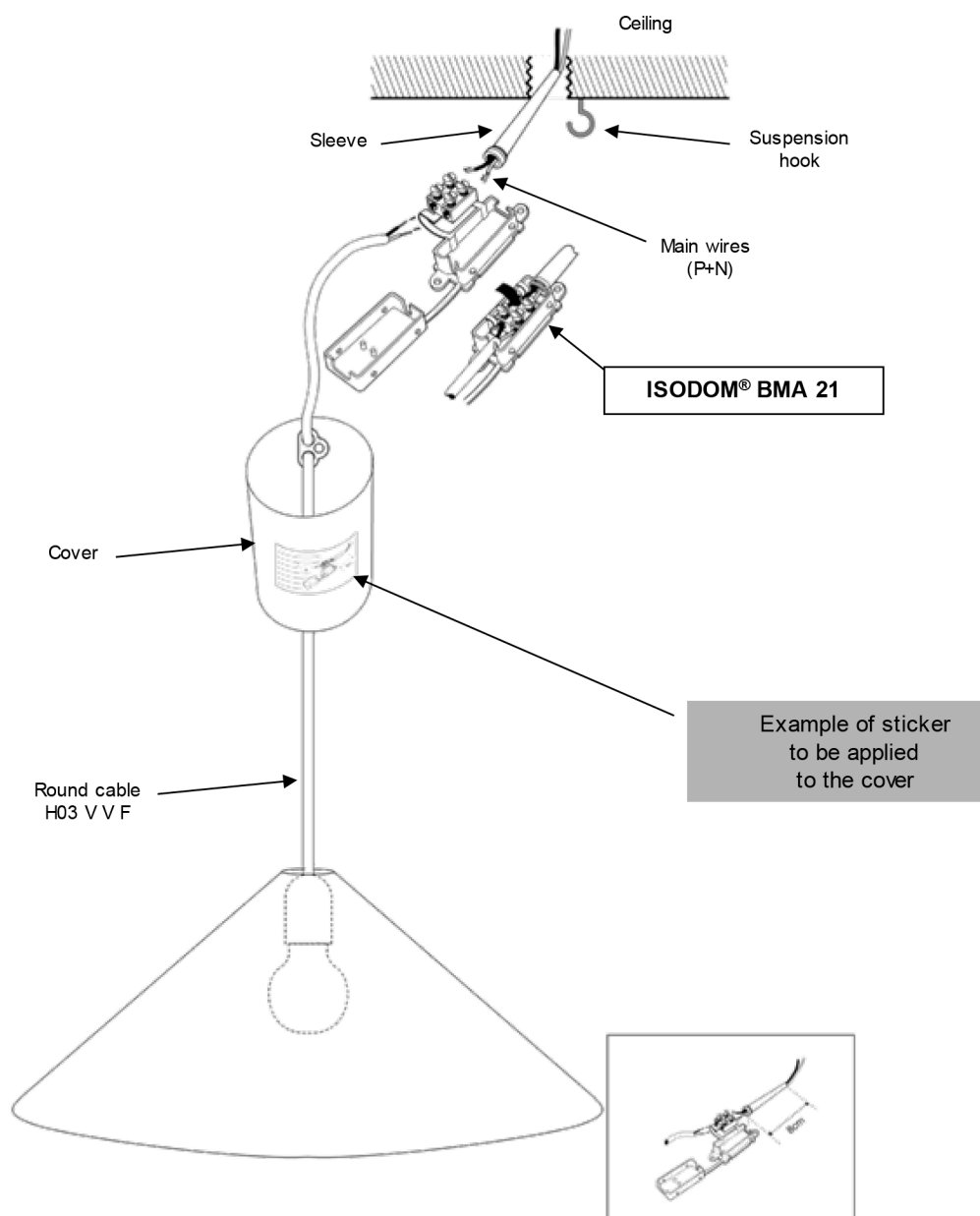
## INSTALLATION OF LUMINAIRE

### IMPORTANT

This Class I luminaire must have ground connection.

# CLASS II SUSPENSION

CONNECTED TO THE MAINS WITH AN ISODOM® BMA 21 HOUSED IN THE COVER

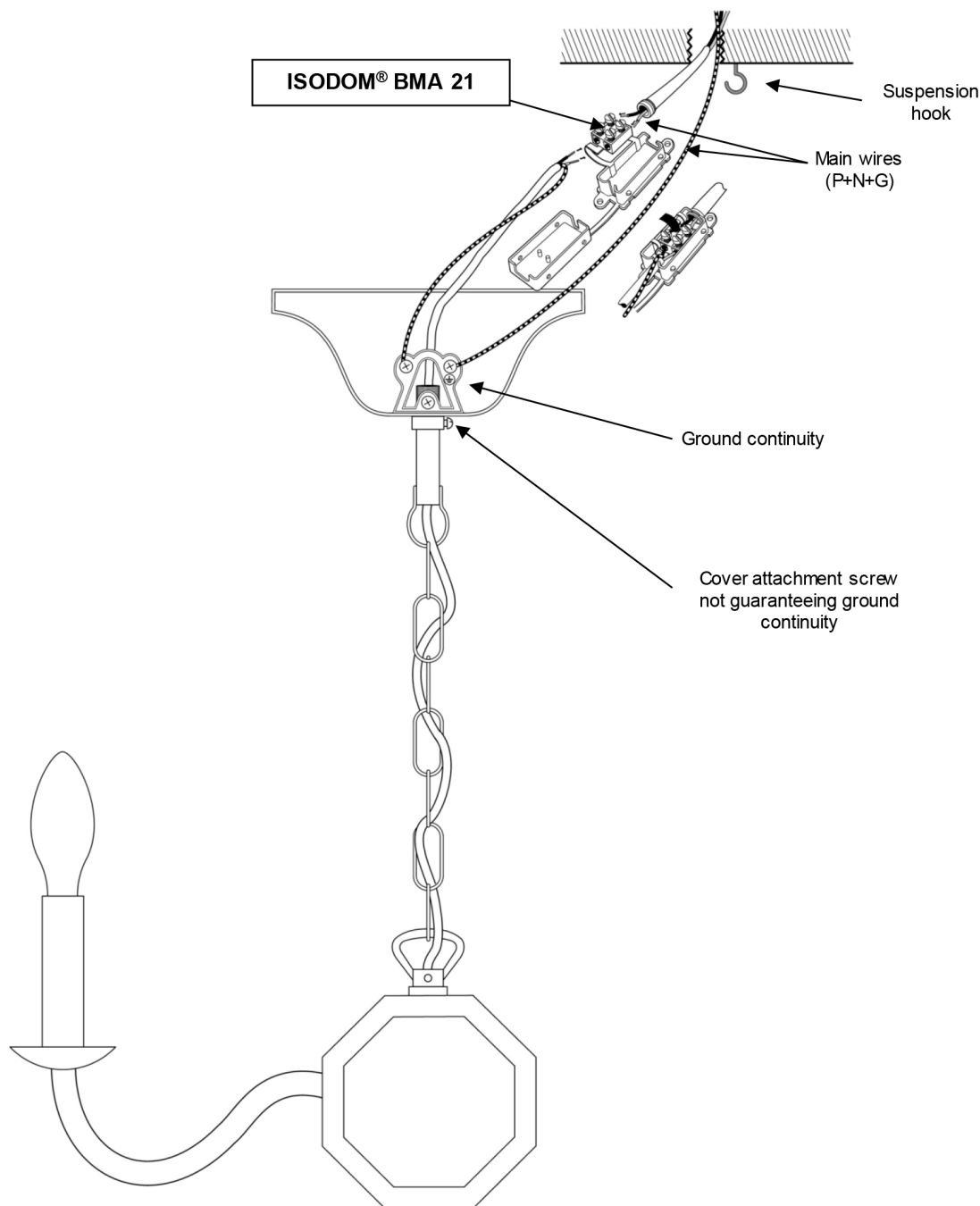


## CONFORMITY OF CONNECTION REALIZED USING AN ISODOM®

- Class II Luminaire
- Connect luminaire to the box at V-type opening which serves as cable holder.
- House the wires coming from the ceiling in the sleeve. They must not be longer than 8 cm. If they are shorter than the sleeve adapt its length by cutting it to the dimension of the wires.
- Carry out connection to the box and close

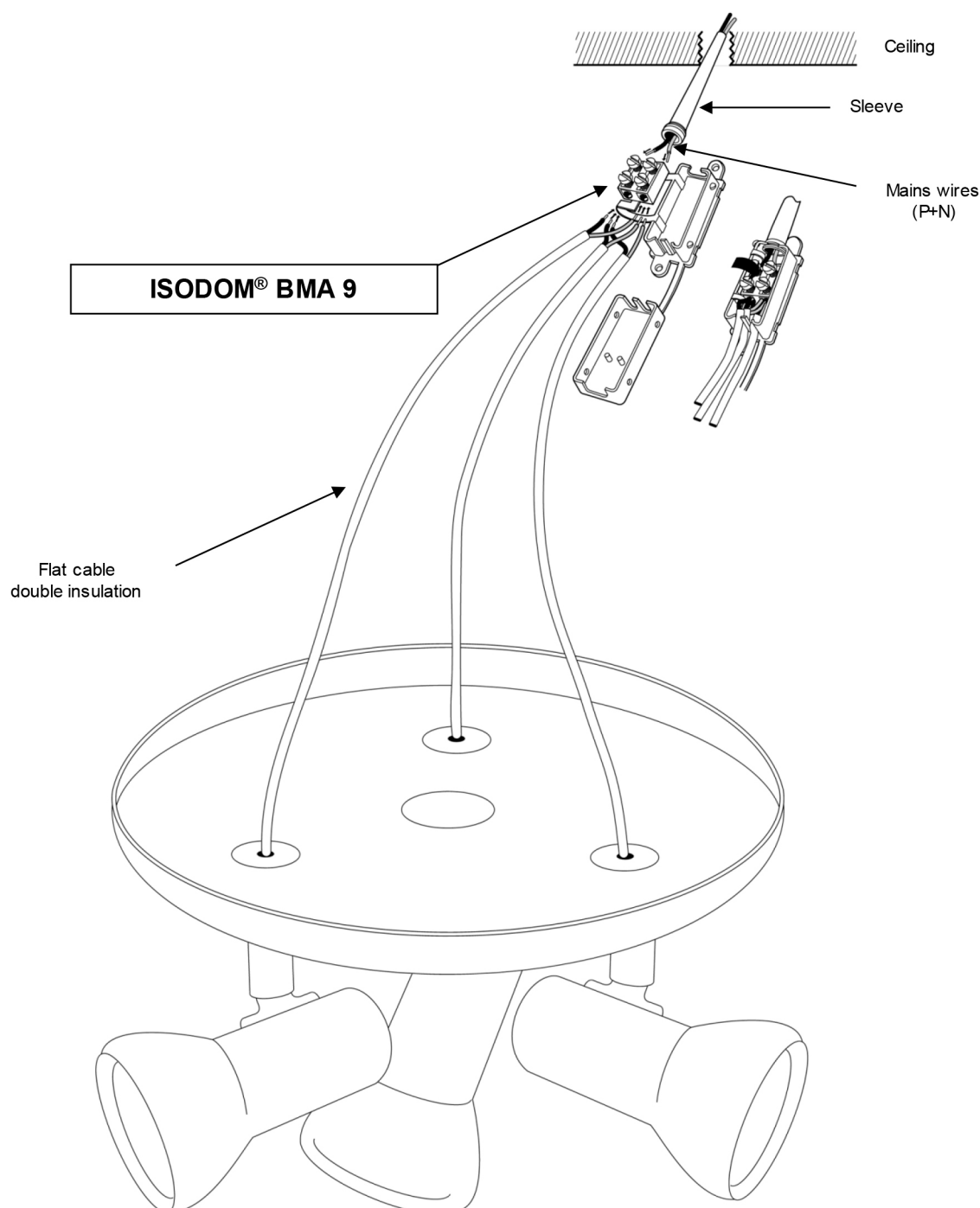
# CLASS I METALLIC LIGHT

WITH CLASS II COVER AREA USING AN ISODOM® BMA 21



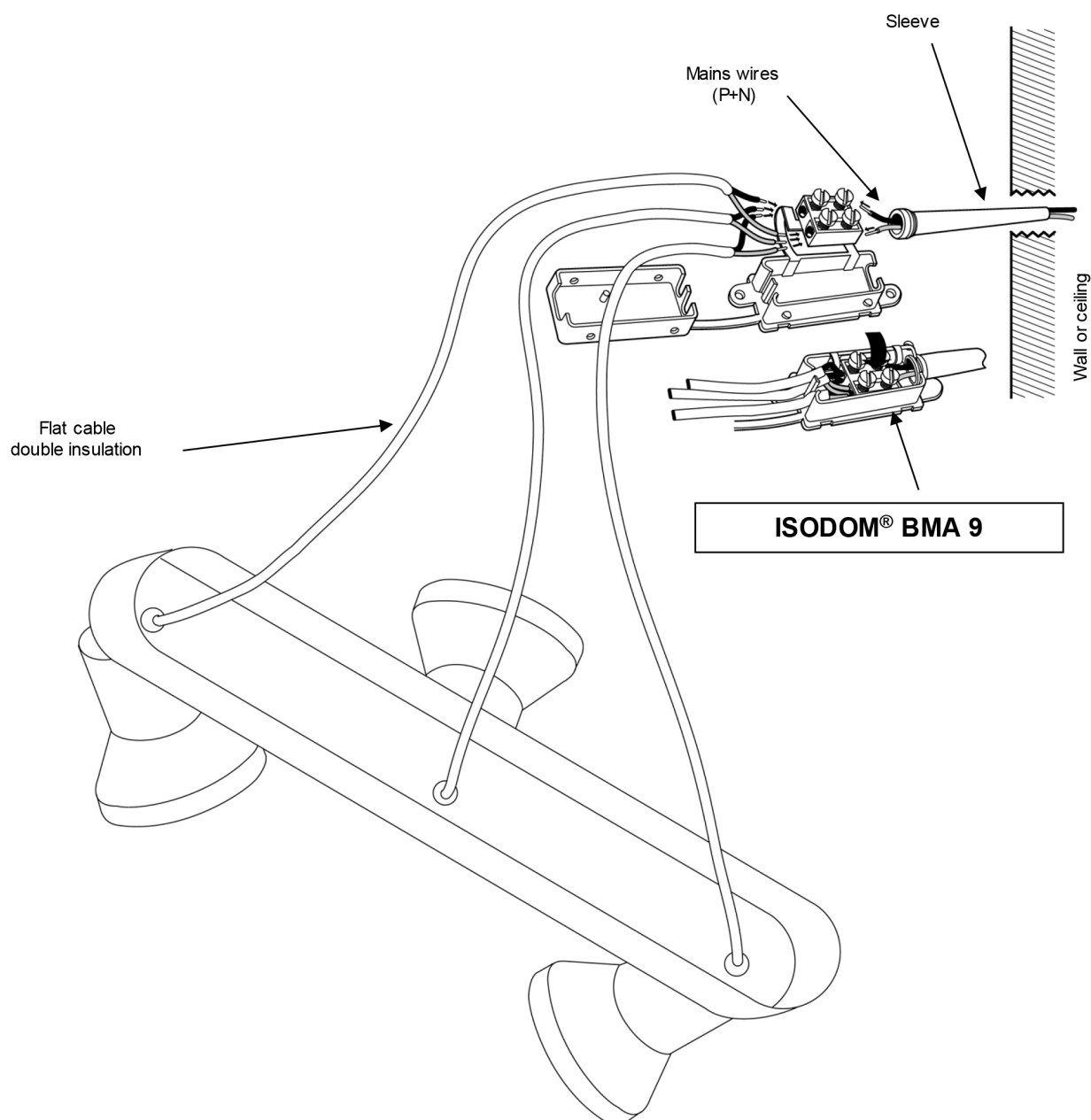
# CLASS II CEILING LIGHT

CONNECTED TO MAINS WITH AN ISODOM® BMA 9



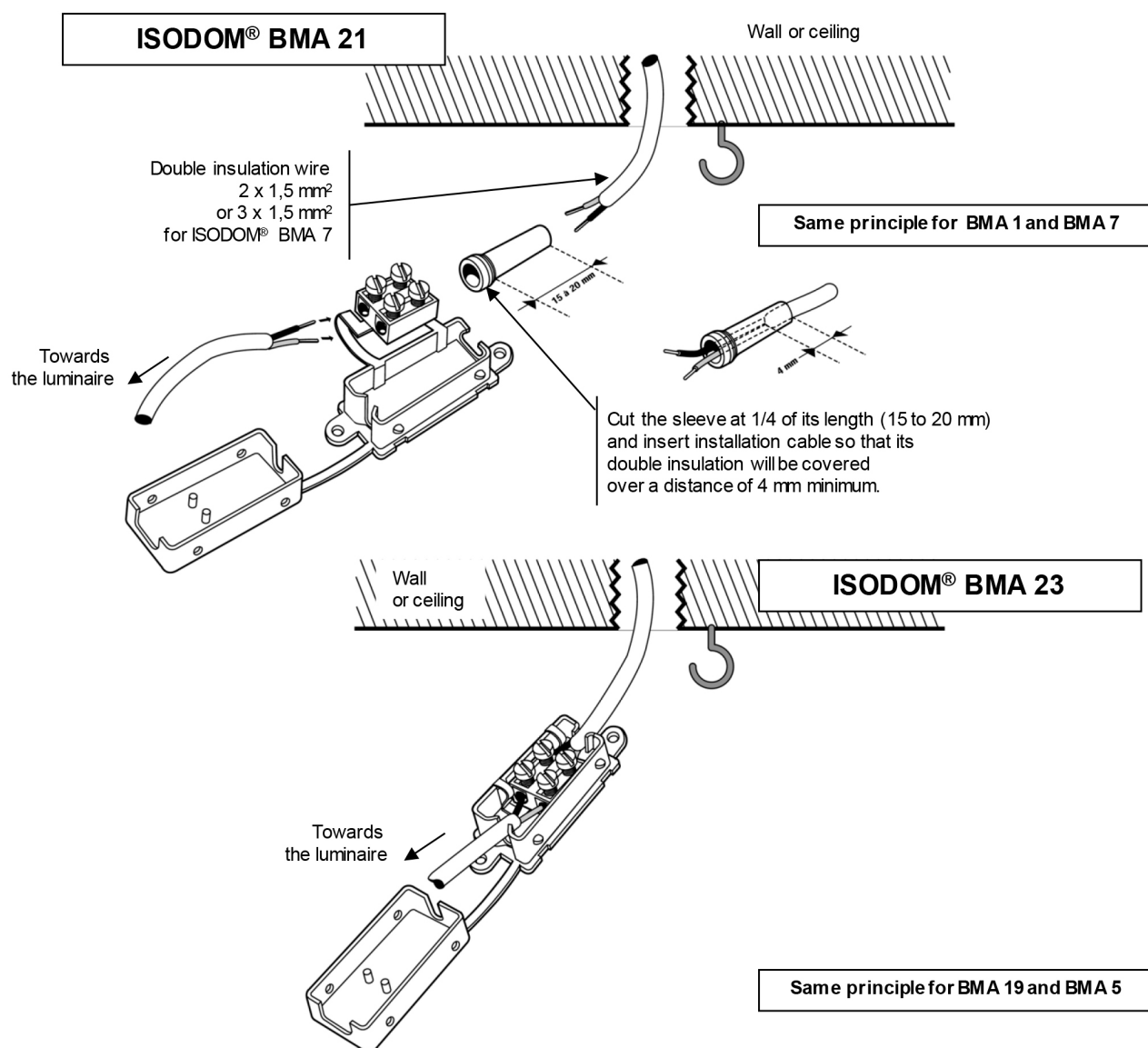
# CLASS II SPOTLIGHT STRIP

CONNECTED TO MAINS WITH AN ISODOM® BMA 9



# NOTE

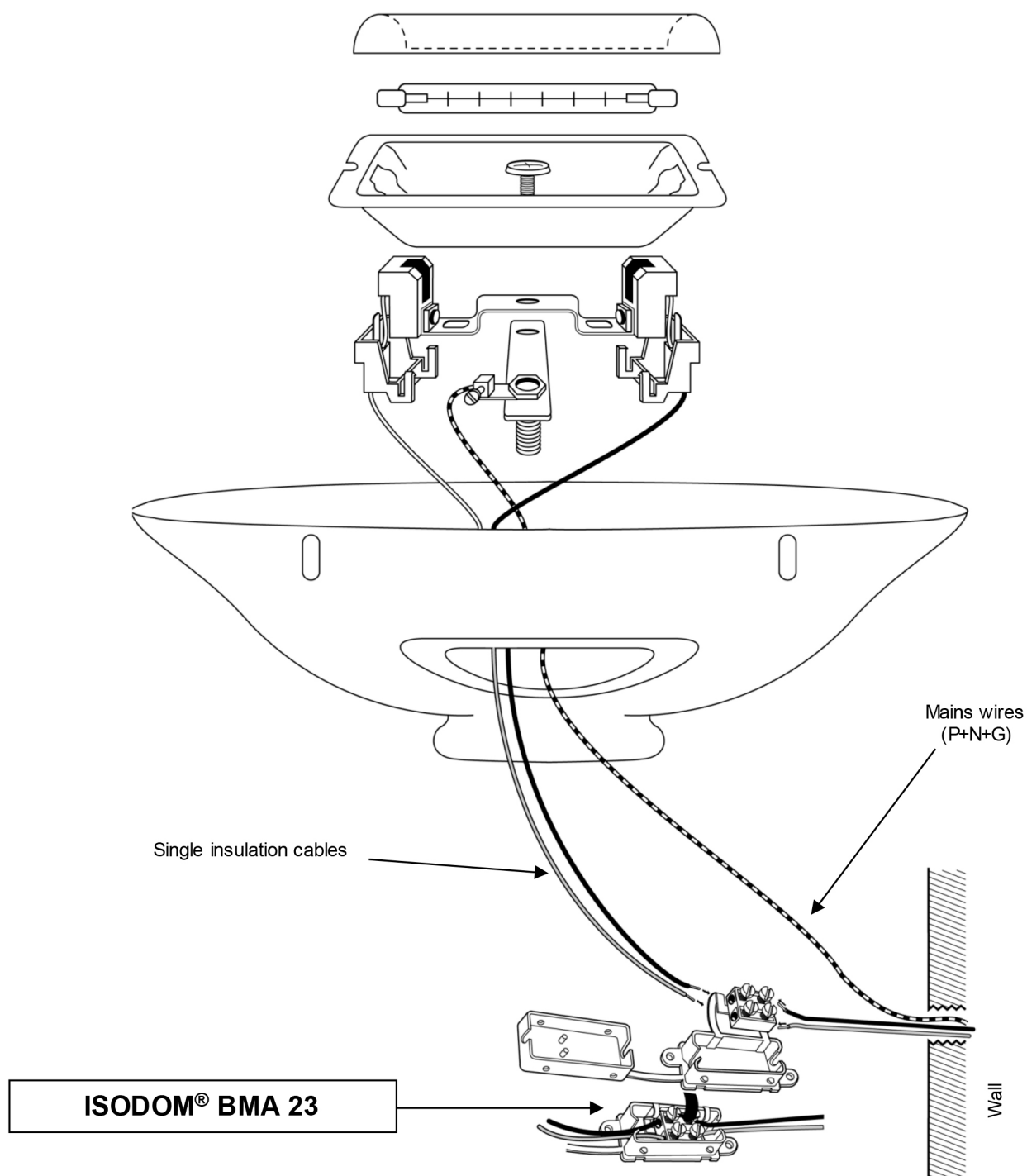
## RECOMMENDATION FOR CLASS II CONNECTIONS WHEN INSTALLATION IS DONE USING DOUBLE INSULATION WIRE





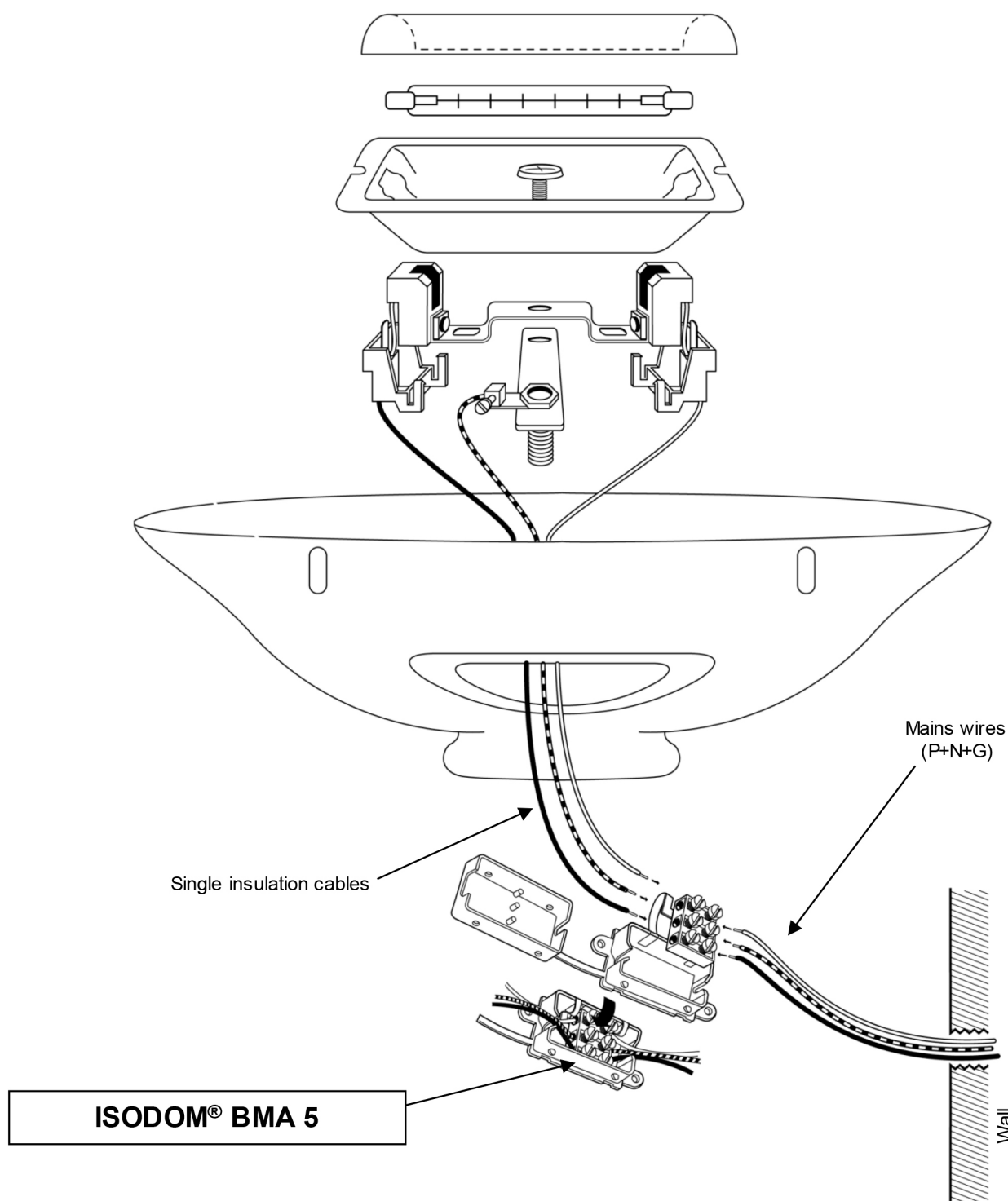
# CLASS I WALL LIGHT

CONNECTED TO MAINS WITH AN ISODOM® BMA 23



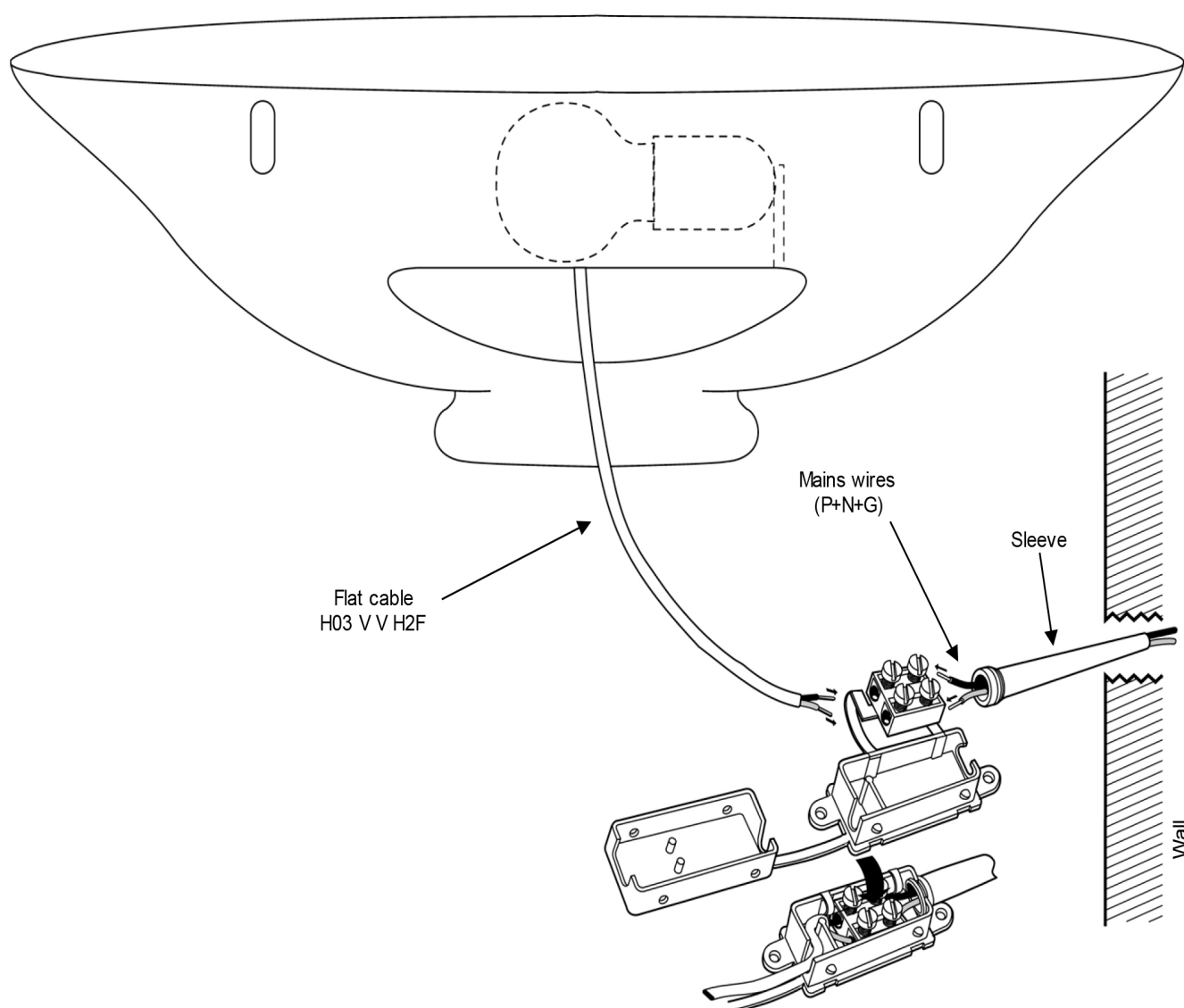
# CLASS I WALL LIGHT

CONNECTED TO MAINS WITH AN ISODOM® BMA 5



# CLASS II WALL LIGHT

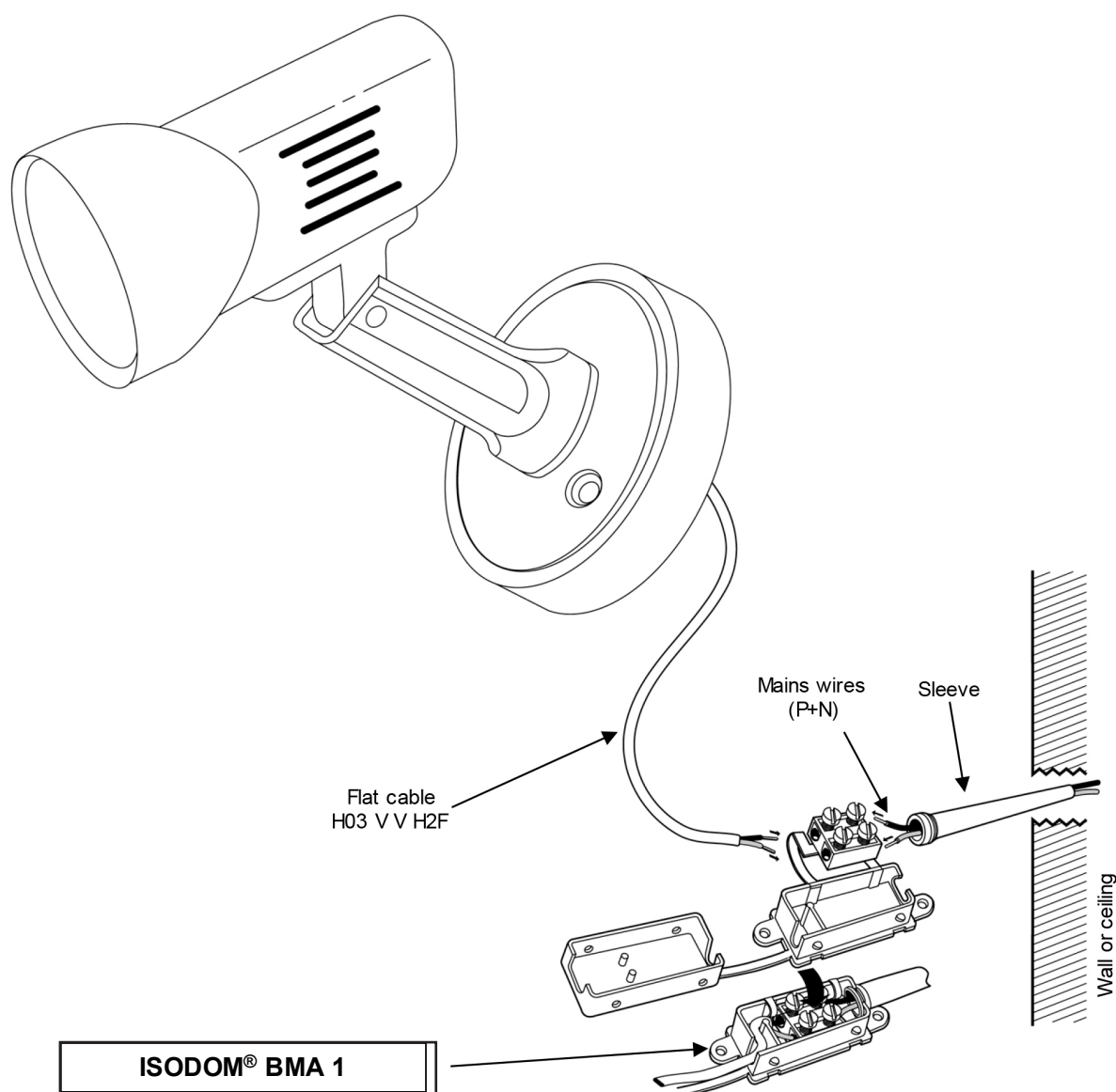
CONNECTED TO MAINS WITH AN ISODOM® BMA 1  
HOUSED IN THE PROTECTION BOWL



ISODOM® BMA 1

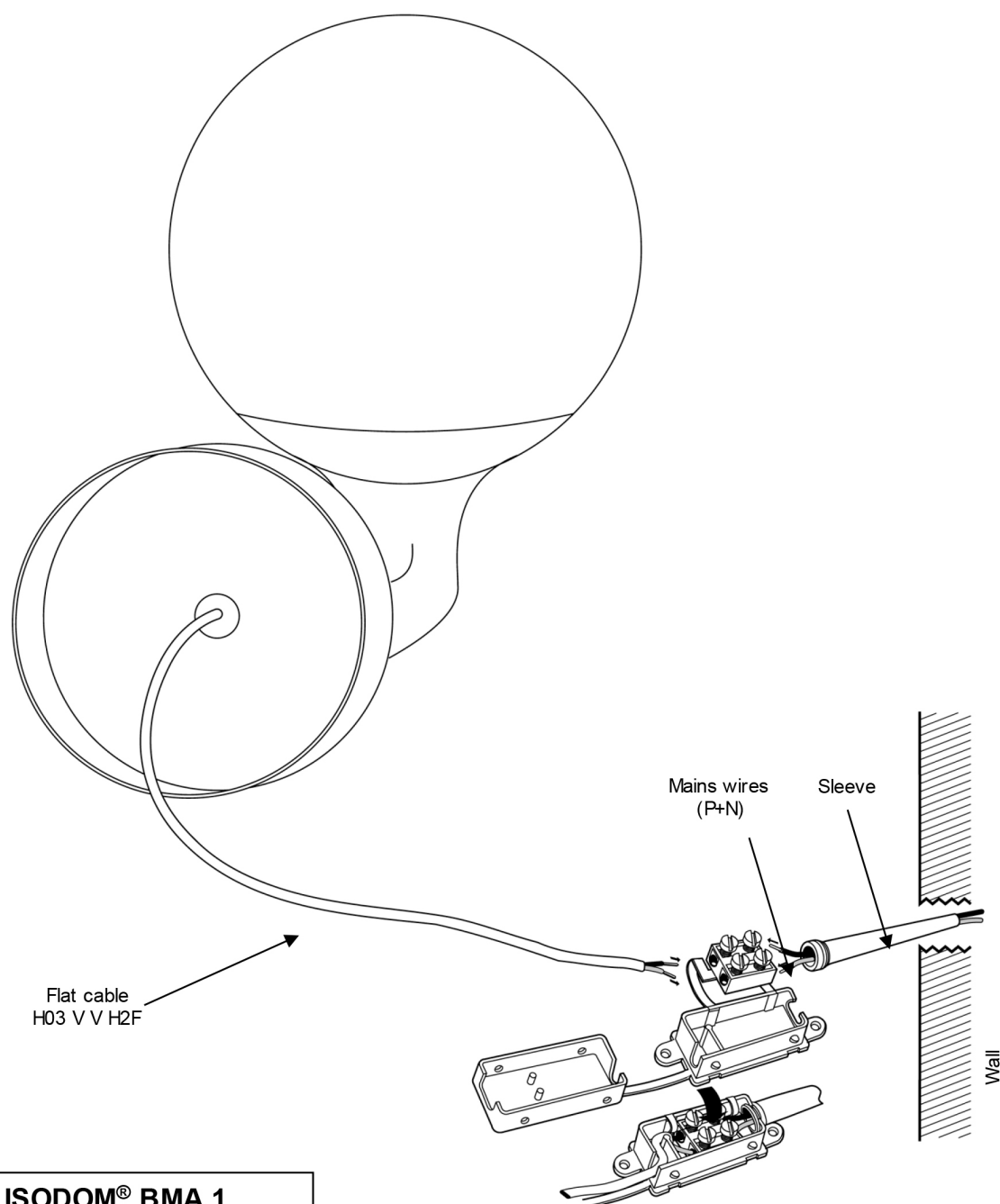
# CLASS II WALL SPOTLIGHT

CONNECTED TO MAINS WITH AN ISODOM® BMA 1  
HOUSED IN THE BASE



# CLASS II WALL LIGHT

CONNECTED TO MAINS WITH AN ISODOM® BMA 1  
HOUSED IN THE BASE

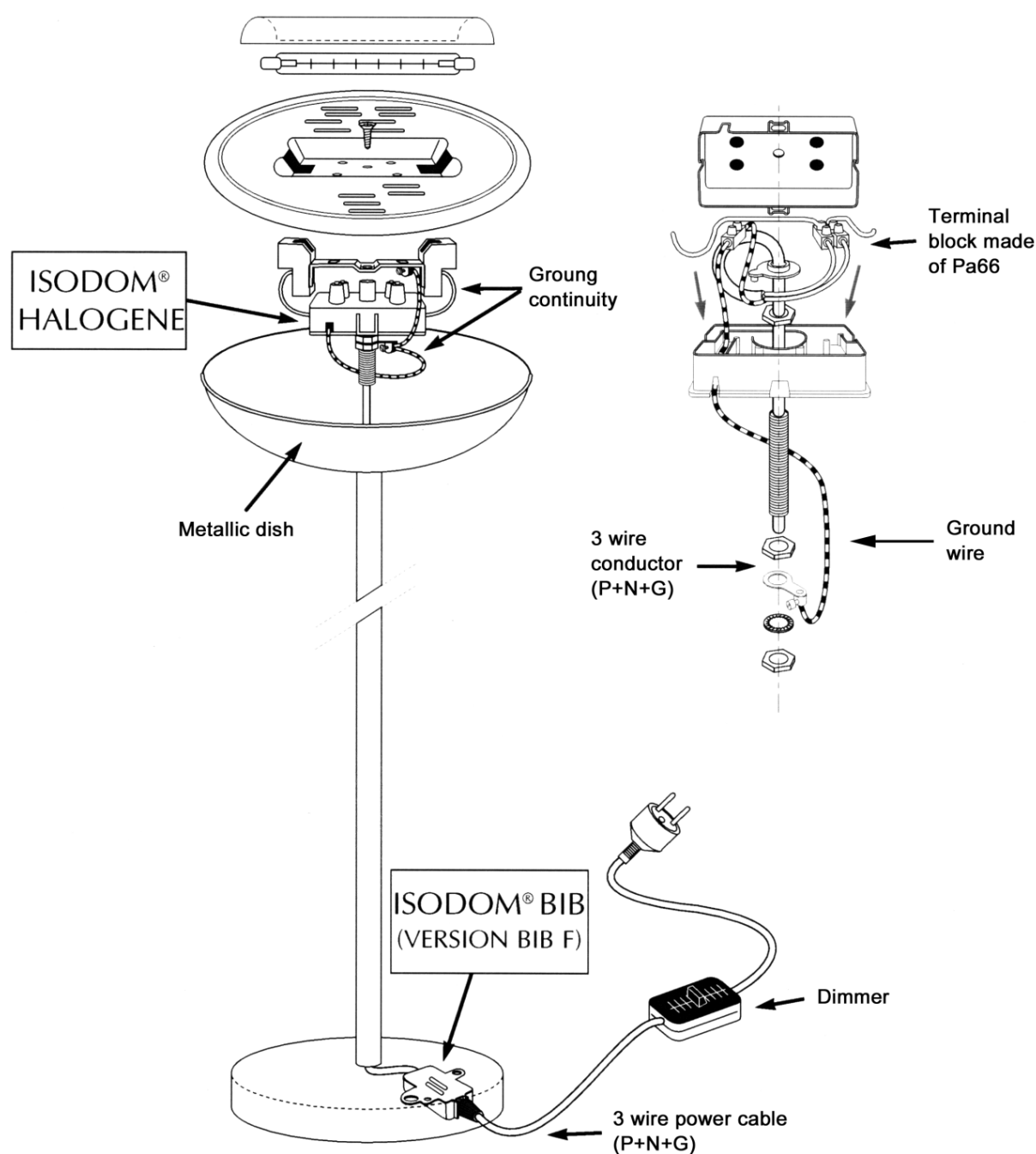


**ISODOM® BMA 1**

# CLASS I «HALOGEN» LAMP STAND

FITTED WITH AN "ISODOM® HALOGENE" AND AN ISODOM® BIB

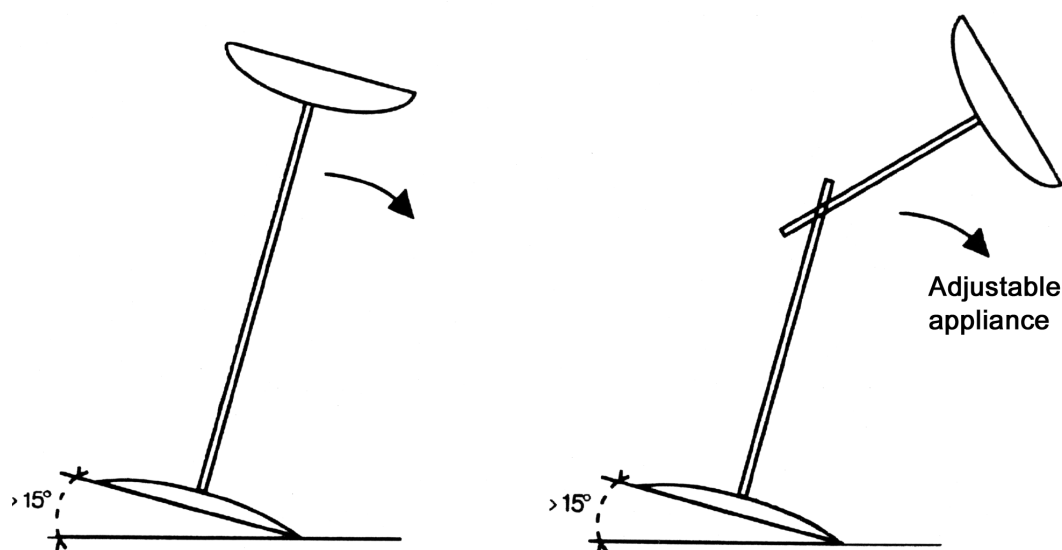
ISODOM® HALOGENE internal wiring  
(Silicon cables supplying the R7S socket)



# CLASS I «HALOGEN» LAMP STAND

## ISODOM® BIB

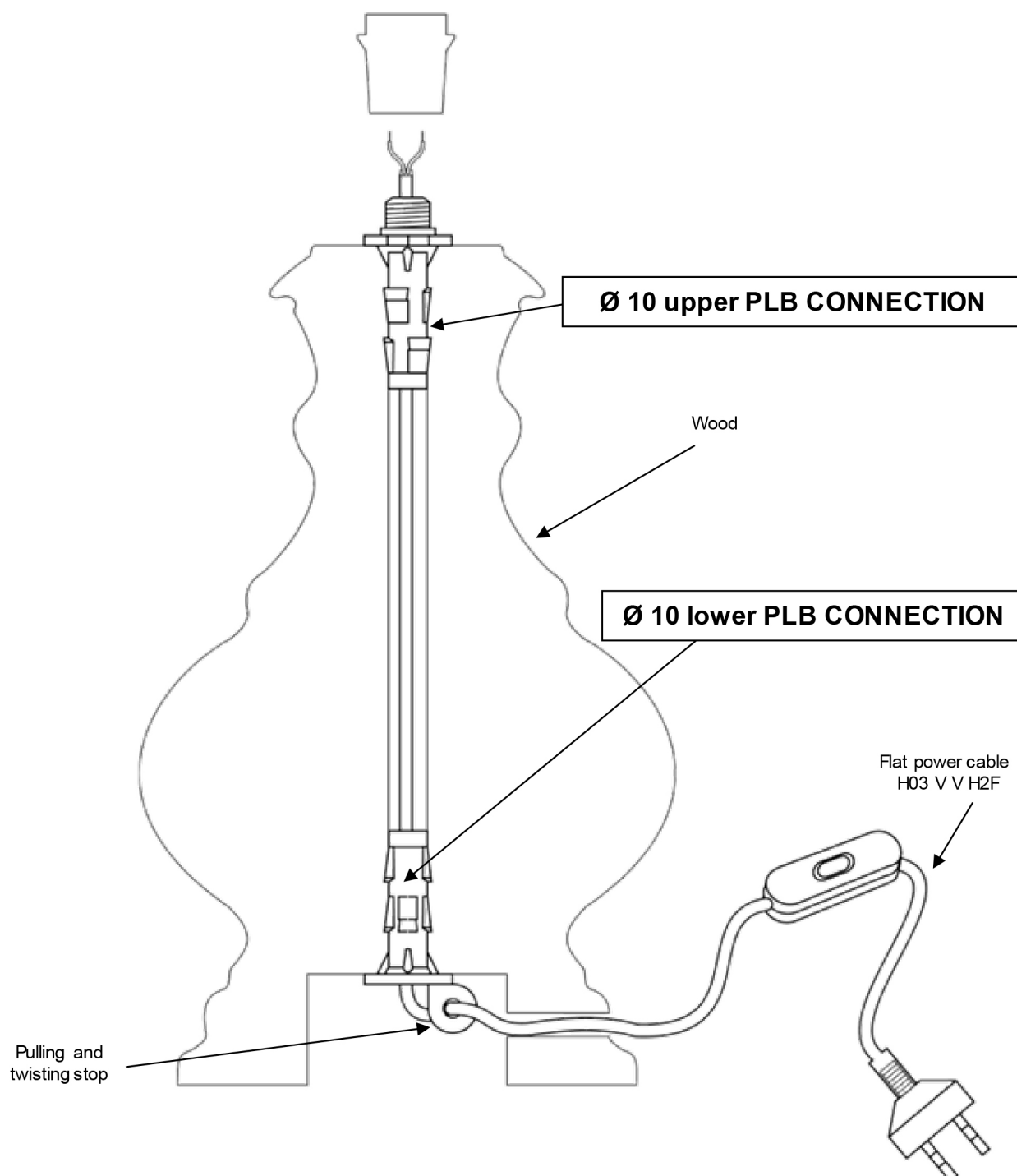
Prevents any risks of fire in the event of the appliance tipping over ( 15° instability )



Note: If the appliance is unstable at 15° ► a heating test must be performed in the overturned position or in the most unfavourable adjustable position.

## CLASS II «WOODEN» TABLE LAMPS

FITTED WITH RACCORDS PLB (PLB CONNECTIONS) FOR FORCE FITTING

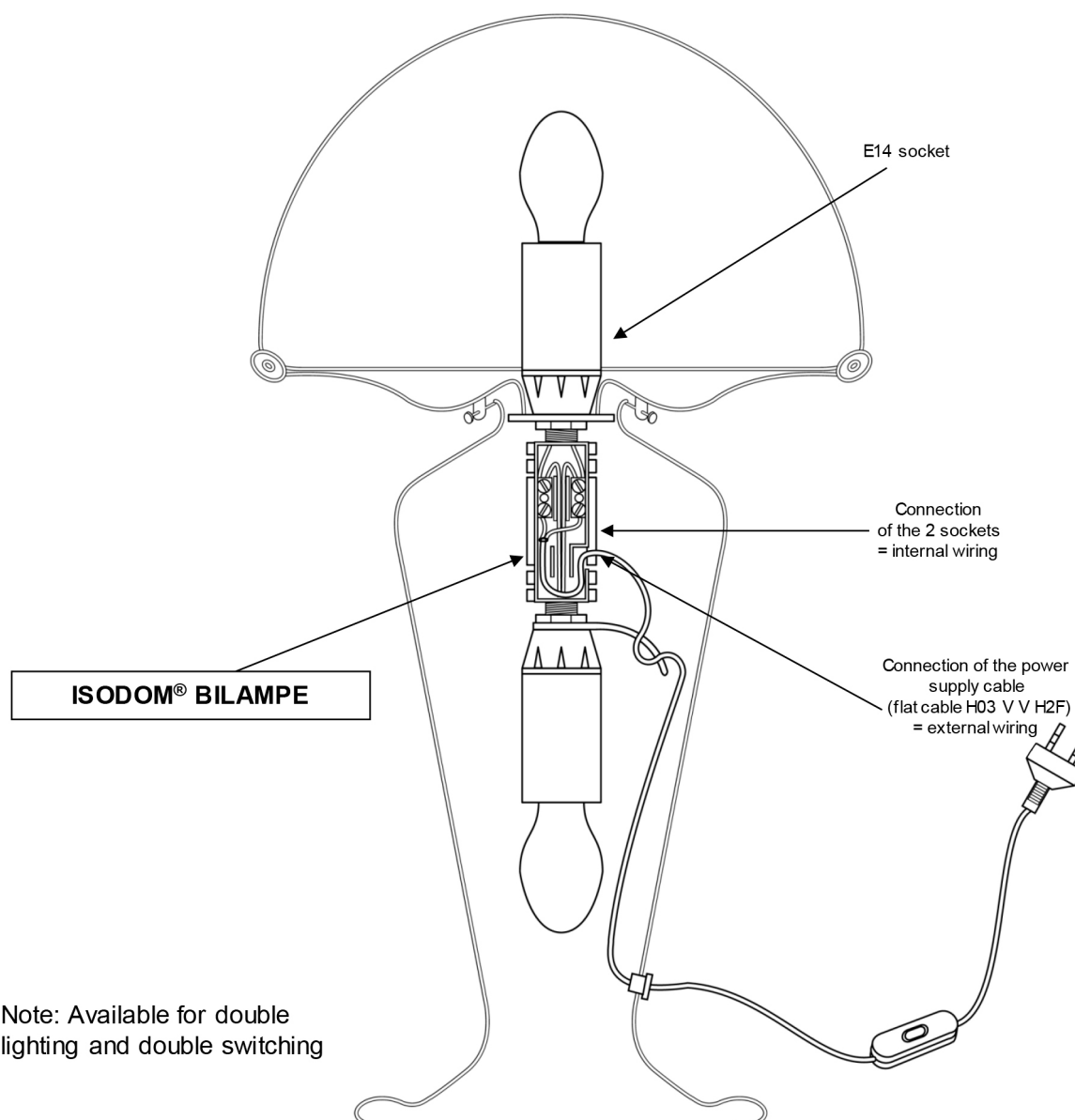




# CLASS II EQUIPMENT

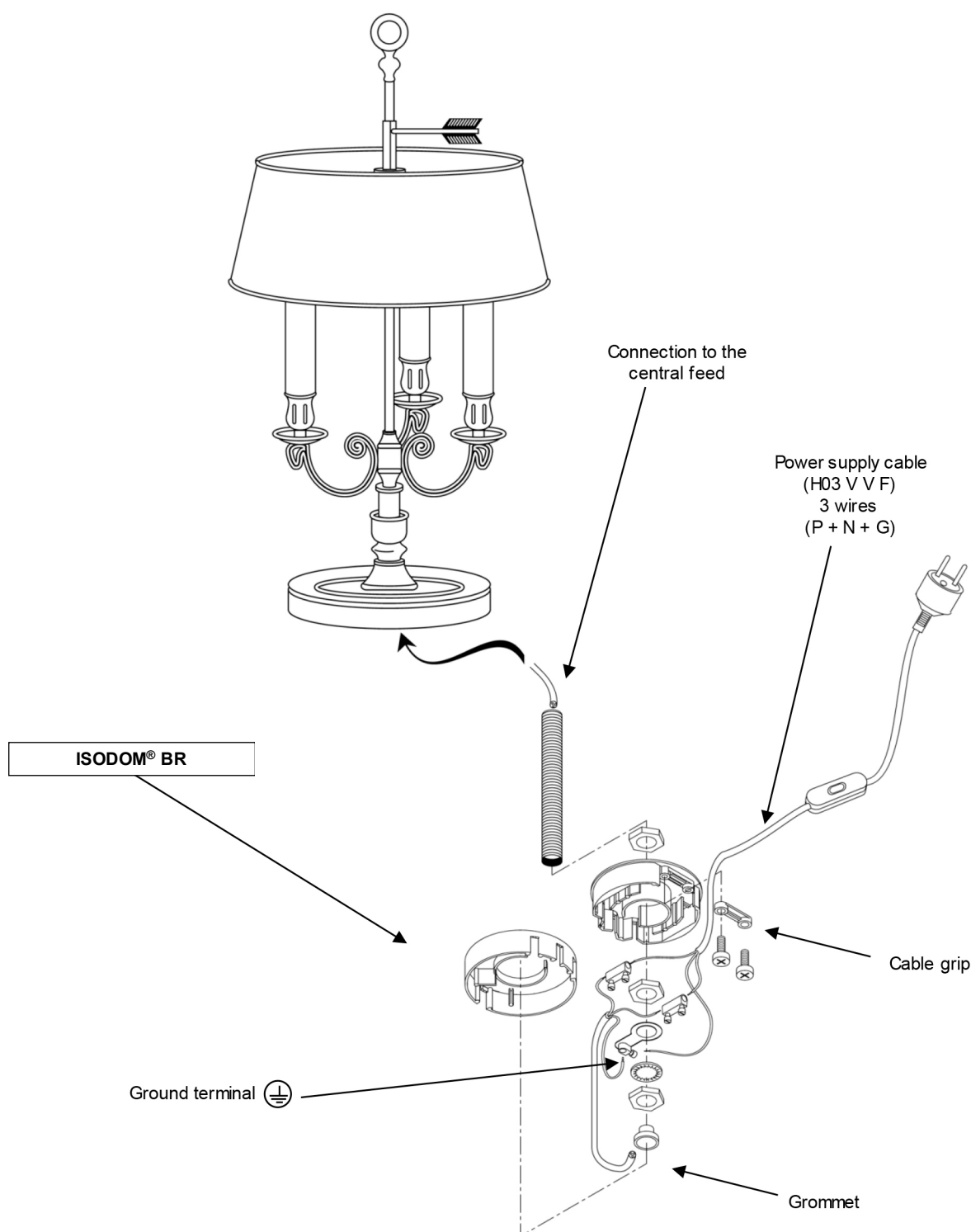
WITH DOUBLE LIGHT SOURCE FOR A «MOLTEN GLASS»

## LAMP USING AN ISODOM® BILAMPE



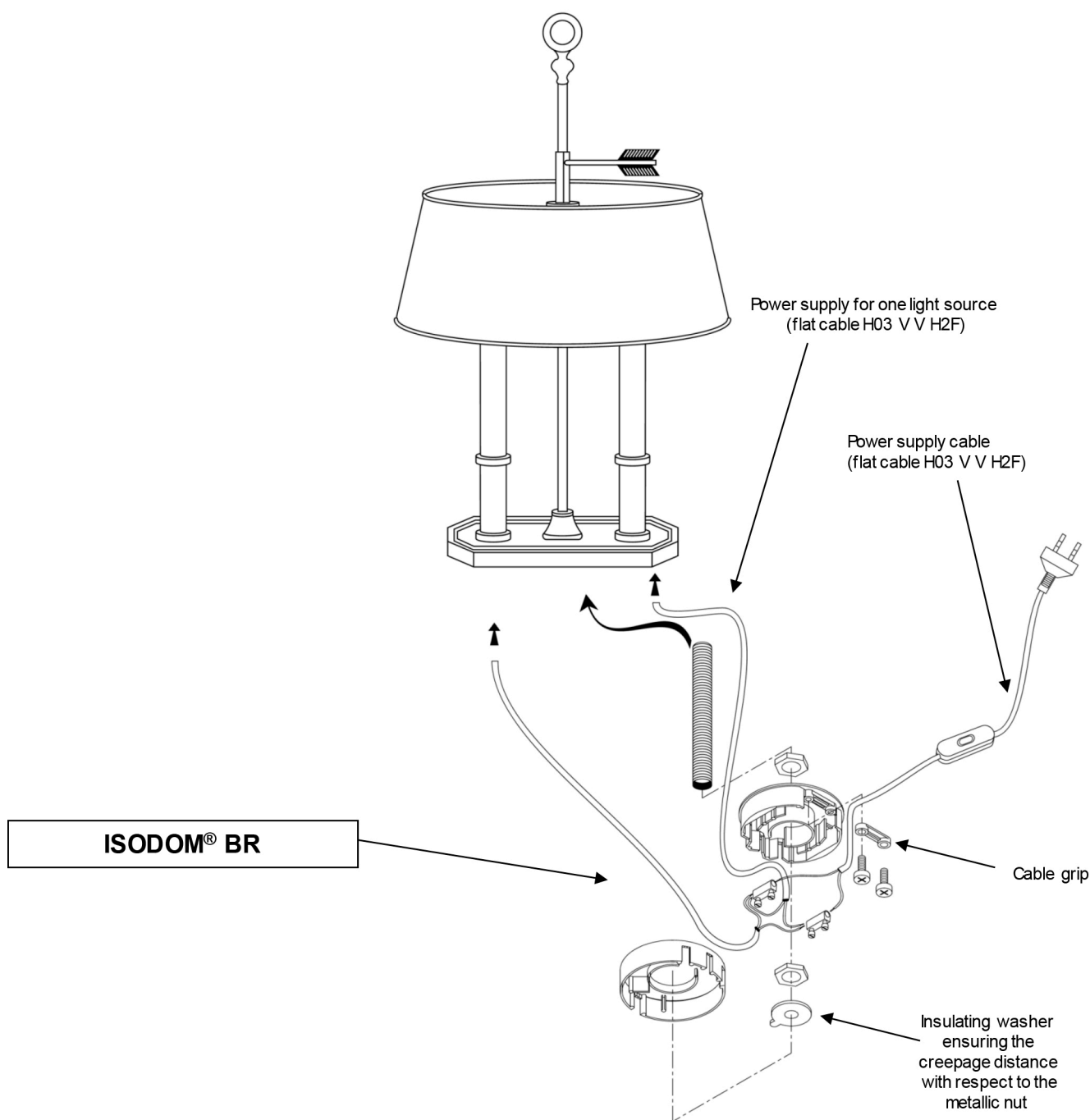
# CLASS I «BRONZE» TABLE LAMP

CONNECTED TO POWER SUPPLY CABLE WITH AN ISODOM® BR



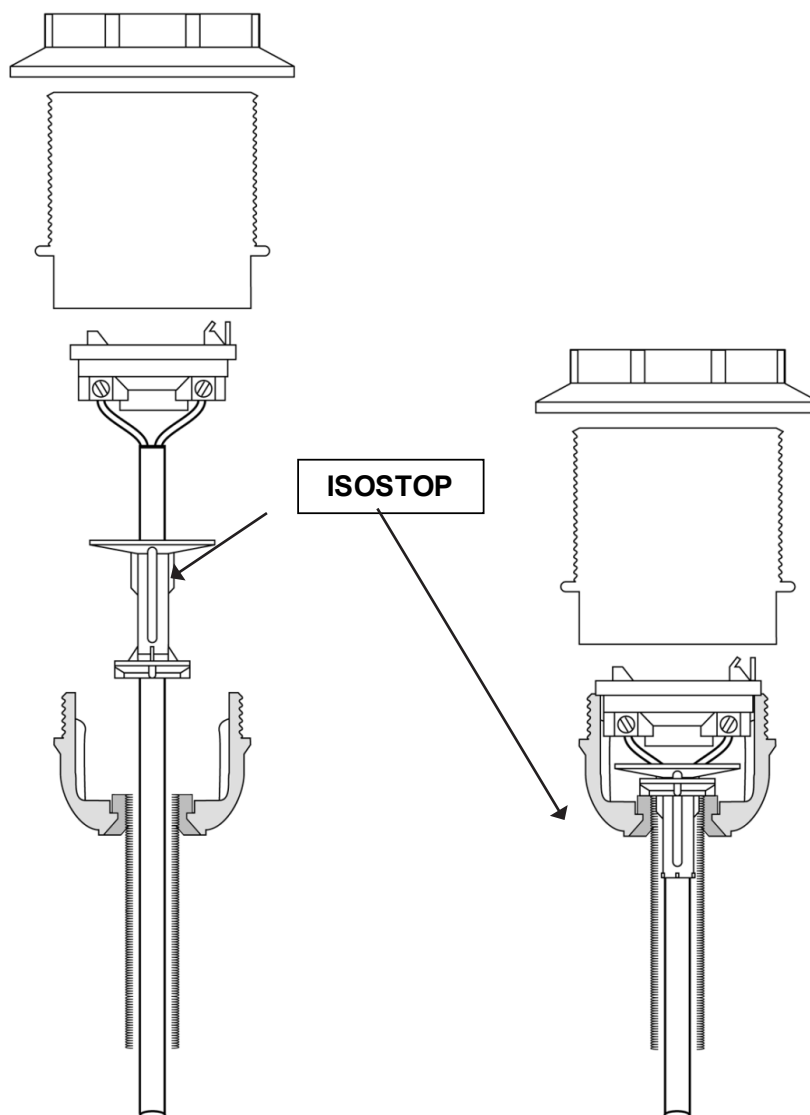
# CLASS II «BRONZE»TABLE LAMP

CONNECTED TO THE POWER SUPPLY CABLE WITH AN ISODOM® BR



# ISOSTOP INSTALLATION

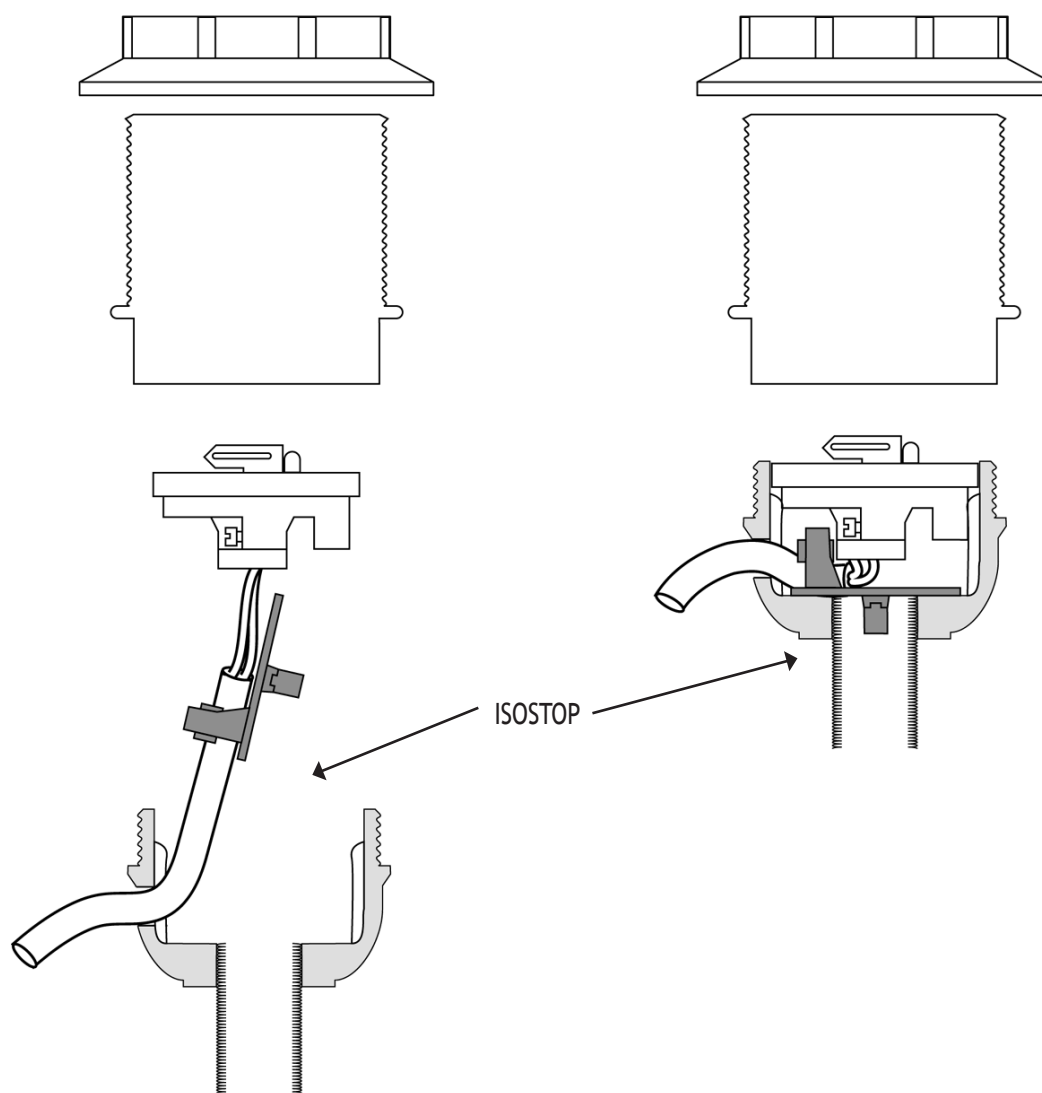
Exists in E14 and E27 versions



Serves as insulating end fitting, anti-rotating stop and cord grip in E14 and E27 socket.

# ISOSTOP INSTALLATION

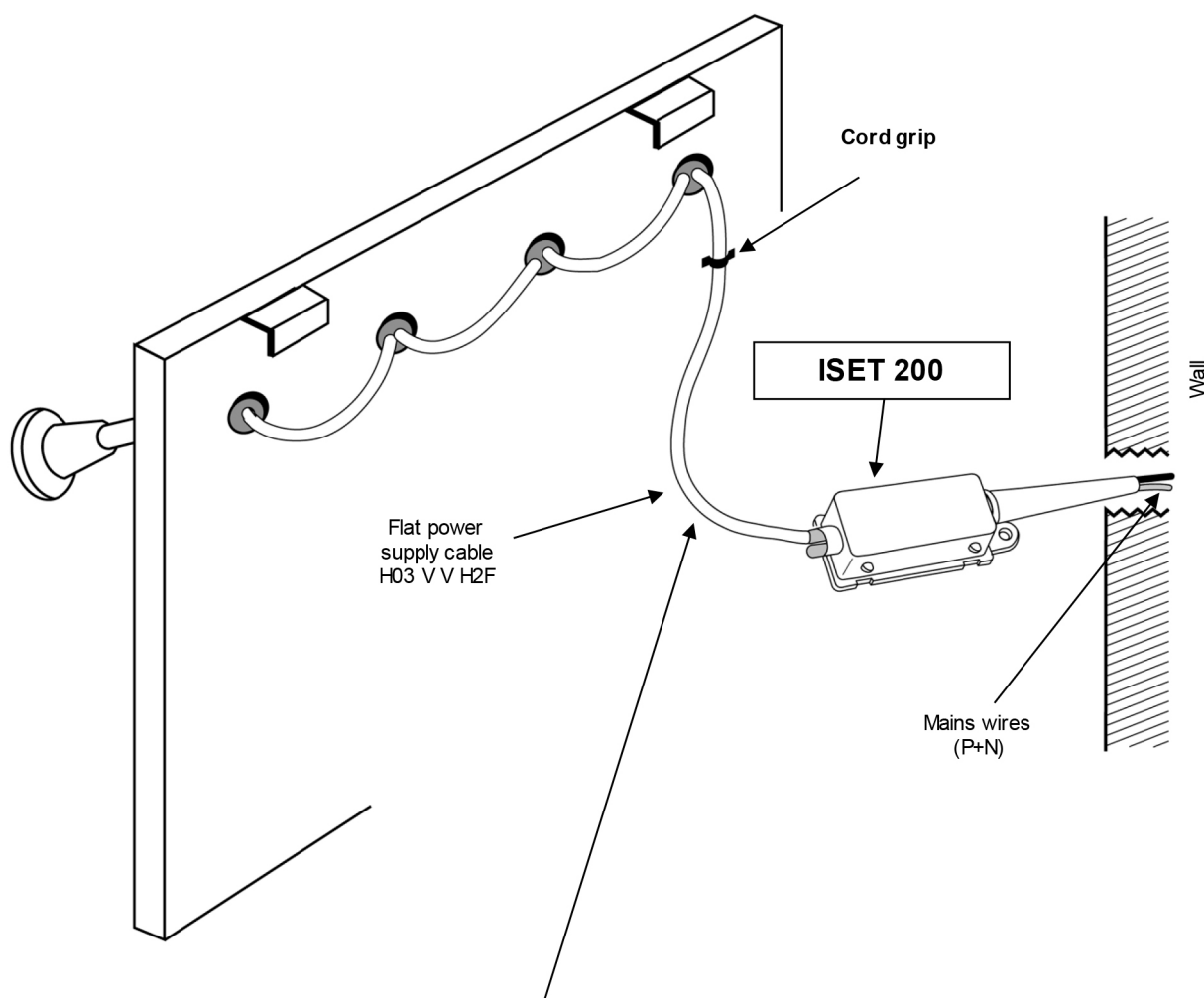
Exists in E14 and E27 versions



Serves as insulating end fitting, anti-rotating stop and cord grip in E14 and E27 socket.

# BATHROOM MIRROR CLASS II IP44

CONNECTED TO THE POWER SUPPLY CABLE WITH AN ISET 200



Cable of 0,5 to 1 m length coming from the appliance.  
As its length is exceeding 8 cm it must have a **cord grip**  
at appliance outlet and it must have a double insulation.

# CLASS II - IP44 BATHROOM ELECTRICAL CONNECTION UNIT

EQUIPPED WITH A 2 P + G PLUG (WHICH MUST BE SITUATED IN VOLUME 3 OF THE BATHROOM)

