

# Accessories for the public light plants

**NEW!!!**  
5 poles, 4 ways terminal strips  
Fuse carrier & fuse 10x38

**ISIWAY**  
ELECTRIC ISIWAY TECHNOLOGY



General Catalogue



### LIST OF SERVICE DOOR AND POLE'S JUNCTION BOXES

Slot dimension	Pole diameter min. - max	SERVICE DOORS SERIES				JUNCTION BOXE SERIES		
		Aluminium	Polyamide	I.P rate	Page	code N°	Wires	Page
<b>38x132</b>	76÷102	<b>PPA</b>	<b>PPP</b>	55	3	<b>M1</b>	4x6 sqmm	3
<b>45x186</b>	102÷300	<b>PGA</b>	<b>PGP</b>	55	4	<b>M2</b>	4x16 sqmm	4
	flat surfaces	<b>PQA</b>		55	4	<b>M2</b>		4
	Ottagonali	<b>POA</b>		55	4	<b>M2</b>		4
<b>45x186</b> "NO STEP"	89÷114	<b>MCR1A</b>	<b>MCR1P</b>	55	5	J.B. and door supplied assembled	4 x6 sqmm	5
	102÷192	<b>MCR2A</b>	<b>MCR2P</b>	55	5		4x16 sqmm	5
	219÷300*	<b>MCR2A</b>	<b>MCR2P</b>	55	5	<b>M3</b>	2x10 sqmm	6
<b>45x186</b> "NO STEP"	114÷192	<b>FP45X186</b>		55	5	<b>M4-1</b>	4x50 sqmm	6
<b>100x350</b> "NO STEP"	152÷220	<b>P100-350A</b>		55	6	<b>M5-1</b>	4x16 sqmm	6
						<b>M9</b>	5x3x35 sqmm	7
						<b>BASE</b>	4x50 sqmm	7
* with kit 219300 (adapter for cover MCR2)					8			
Accessories and spare parts (j. boxes, fuse carriers, fuses, bi-pass socket with built-in fuse carrier)								8

Please Note: suggested parameters to select the proper cover and junction boxes

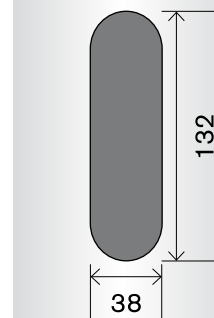
\* pole diameter \* slot dimensions \*number and size of the wires \*number of fuse carriers

## SLOT 38 x 132 - DOOR AND JUNCTION BOXES

### ALUMINIUM POLE SERVICE DOORS - PPA

- Die cast aluminium body
- Chemical treatment (phosphochrome) plus thermo powder paint zinc colour.  
Extra RAL colour on request.
- Removable gasket made of antiage EPDM rubber.
- Stainless steel screws AISI 304; pentagonal screws head including the relevant operating key.
- Aluminium antiloosing locking devices
- Protection rate IP55 according to standards CEI EN 60529 - IK10 CEI EN 50102

Pole diameter	Overall dimensions	Code n°	Part n°
76 ÷ 102	65x158x11	<b>PPA</b>	PPA/76-102



### POLYAMIDE POLE SERVICE DOORS - PPP

- Polyamidic resin, fibreglass reinforced Pa6-6 grey colour RAL 7035,  
black or other colour on request.
- Removable gasket made of antiage EPDM rubber.
- Stainless steel screws AISI 304; pentagonal screws head including the relevant operating key.
- Aluminium antiloosing locking devices
- Protection rate IP55 according to standards CEI EN 60529 - IK10 CEI EN 50102

Pole diameter	Overall dimensions	Colour	Code n°	Part n°
76 ÷ 102	65x158x11	grey	<b>PPP</b>	PPP/76-102



PPA



PPP

### Pole Junction Boxes - M1 - M3

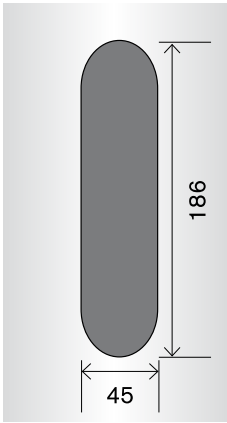
- Body made of polyamidic resin 6 self-extinguishing and infrangible
- Moulded connector made of polyamidic resin 6 self-extinguishing
- Pressed terminals made of three ways zinc electro-alloy. Chemical antioxidant treatment.  
Single connection of the wires by inox screws AISI 304
- Nominal gauge of the wires 6 sqmm, shunt up to 4 sqmm.
- Voltage 450 V max. current 30 A
- Fuse carriers 8,5x31,5 holding fuses 6 - 10 A (see accessories pag. 8)
- Pole recessed mounting diam. min. 76 mm.
- Body and terminals class 2 according to CEI 64-8/4 standards
- Protection rate IP 43 along the frame and IP 23B on entry cables CEI EN 60529; IK 8 according to CEI EN 50102 standards.

N° of Poles	Conductors	Fuse Carriers n-lmax *	Code n°	Part n°
4	6 sqmm.	1 - 10 A	<b>M1</b>	MOR/M1
2	10 sqmm.	1 - 10 A	<b>M3</b>	MOR/M3



M 1 - M3

## SLOT 45 x 186 - DOOR AND JUNCTION BOXES



### ALUMINIUM POLE SERVICE DOORS - **PGA - PQA - POA**

- Die cast aluminium body
- Chemical treatment (phosphochrome) plus thermo powder paint zinc colour. Extra RAL colour on request.
- Removable gasket made of antiage EPDM rubber.
- Stainless steel screws AISI 304; pentagonal screws head including the relevant operating key.
- Aluminium antiloosing locking devices
- Protection rate IP55 according to standards CEI EN 60529 - IK10 CEI EN 50102

Pole diameter	Overall dimensions	Code n°	Part n°
102 ÷ 114	72x212x11	<b>PGA</b>	PGA/102-114
127 ÷ 168	72x212x11	<b>PGA</b>	PGA/127-168
178 ÷ 300	72x212x11	<b>PGA</b>	PGA/178-300
flat surfaces	71x212x10	<b>PQA</b>	PQA
octagonal	62x212x9	<b>POA</b>	POA



**PGA**

**PGP**

### POLYAMIDE POLE SERVICE DOORS - **PGP**

- Polyamidic resin, fibreglass reinforced Pa6-6 grey colour RAL 7035, black or other colour on request.
- Removable gasket made of antiage EPDM rubber.
- Stainless steel screws AISI 304; pentagonal screws head including the relevant operating key.
- Aluminium antiloosing locking devices
- Protection rate IP55 according to standards CEI EN 60529 - IK10 CEI EN 50102

Pole diameter	Overall dimensions	Colour	Code n°	Part n°
102 ÷ 114	72x212x11	grey	<b>PGP</b>	PGP/102-114
127 ÷ 168	72x212x11	grey	<b>PGP</b>	PGP/127-168
178 ÷ 300	72x212x11	grey	<b>PGP</b>	PGP/178-300



**POA**

**PQA**

### POLE JUNCTION BOXES - **M2**

- Body made of polyamidic resin 6 self-extinguishing and infrangible
- Moulded connector made of polyamidic resin 6 self-extinguishing
- Pressed terminals made of three ways zinc electro-alloy. Chemical antioxidant treatment. Single connection of the wires by inox screws AISI 304
- Nominal gauge of the wires 16 sqmm, shunt up to 4 sqmm.
- Voltage 450 V max. current 63 A
- Fuse carriers 8,5x31,5 holding fuses 6 - 10 A (see accessories pag. 8)
- Pole recessed mounting diam. min. 102 mm.
- Body and terminals class 2 according to CEI 64-8/4 standards
- Protection rate IP 43 along the frame and IP 23B on entry cables CEI EN 60529; IK 8 according to CEI EN 50102 standards.

N° of Poles	Conductors	Fuse Carriers n-I <sub>max</sub> *	Code n°	Part n°
4	16 sqmm.	1-10 A	<b>M2</b>	MOR/M2



**M 2**

## SLOT 45 x 186 - JUNCTION BOXES and "NO STEP" POLE COVERS

### ALUMINIUM "NO STEP" SERIES

- Die cast aluminium body
- Chemical treatment (phosphochrome) plus thermo powder paint zinc colour.  
Extra RAL colour on request.
- Removable gasket made of antiage EPDM rubber.
- Stainless steel screws AISI 304; pentagonal screws head including the relevant operating key.
- Special antiloosing locking devices
- Protection rate IP55 according to standards CEI EN 60529 - IK10 CEI EN 50102

### COVERS/JUNCTION BOX "NO STEP" - MCR

**features:** it is a matter of assembled cover/JB which avoid any steps on the pole. Furthermore it will meet the outline of the slot giving the original shape to the poles. The cover will be tight till the pole surface level by a very special mounting tool supplied with the "NO STEP" kit.

Code number including the aluminium cover MCR1A and MCR 2A.

Code number including the polyamide cover MCR1P and MCR 2P.

### JUNCTION BOX - SERIES MCR

- Body made of polyamidic resin 6.6 self-extinguishing and infrangible
- Moulded connector made of polyamidic resin 6.6 self-extinguishing
- Pressed terminals made of three ways zinc electro-alloy. Chemical antioxidant treatment.  
Single connection of the wires by inox screws AISI 304
- Nominal gauge of the wires 16 sqmm, shunt up to 4 sqmm.
- Voltage 450 V max. current 63 A
- Fuse carriers 8,5x31,5 holding fuses 6 - 10 A (see accessories pag. 8)
- Pole recessed mounting diam. min. 89 mm. for MCR1 and 102 mm. for MCR2.  
Diameters at the slot height.
- Body and terminals class 2 according to CEI 64-8/4 standards
- Protection rate IP 43 along the frame and IP 23B on entry cables CEI EN 60529;  
IK 8 according to CEI EN 50102 standards.

### "NO STEP" with aluminium cover

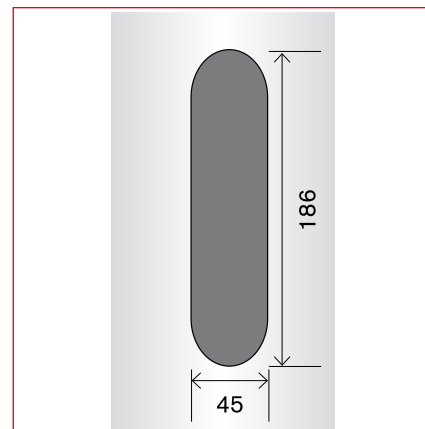
Pole diameter	N° of poles	Conductors	Fuse Carriers n-lmax *	Code n°	Part n°
89 ÷ 114	4	6 sqmm.	1 - 10 A	<b>MCR1A</b>	MCR1A/89-114
102 ÷ 192	4	16 sqmm.	1 - 10 A	<b>MCR2A</b>	MCR2A/102-192
219 ÷ 300*	4	16 sqmm.	1 - 10 A	<b>MCR2A*</b>	MCR2A/102-192*

\*including KIT 219300 (cover adaptor for MCR2A)

### "NO STEP" with polyamide cover

Pole diameter	N° of poles	Conductors	Fuse Carriers n-lmax *	Code n°	Part n°
89 ÷ 114	4	6 sqmm.	1 - 10 A	<b>MCR1P</b>	MCR1P/89-114
102 ÷ 192	4	16 sqmm.	1 - 10 A	<b>MCR2P</b>	MCR2P/102-300
219 ÷ 300*	4	16 sqmm.	1 - 10 A	<b>MCR2P*</b>	MCR2P/102-192*

\*including KIT 219300 (cover adaptor for MCR2P)



FP45X186

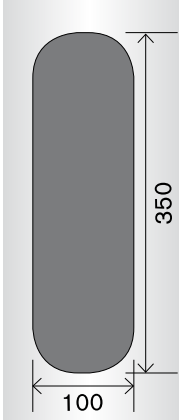


MCR 1



MCR 2

## SLOT 100 x 350 - "NO STEP" COVER and relevant Junction Boxes



**features:** it is a matter of assembled cover/JB which avoid any steps on the pole. Furthermore it will meet the outline of the slot giving the original shape to the poles. The cover will be tight till the pole surface level by a very special mounting tool supplied with the "NO STEP" kit.

### ALUMINIUM "NO STEP" - P/100-350A

- Die cast aluminium body
- Chemical treatment (phosphochrome) plus thermo powder paint zinc colour. Extra RAL colour on request.
- Removable gasket made of antiage silicone.
- Stainless steel screws AISI 304; pentagonal screws head including the relevant operating key.
- Special antiloosening locking devices.



- Available junction boxes type M4, M5, M6, M7, BASE/DIN.
- To be assembled on poles diam. 153 - 220 mm.
- Protection rate IP55 according to standards CEI EN 60529 - IK10 CEI EN 50102

## MASTER JUNCTION BOXES - M4 - M5



Series of JB with inspectional cover. Type M4, double DIN (46277/3) rail to allow the four poles three ways terminal strip to be selected between 6, 16, 35, 50 sqmm., fuse carriers and any sort of extra accessories like MCB's, surge arrestor etc. The M4 comes completed of two series of rubber grommets to permit a perfect tightness of the in/out feeder cables.

After the installation of M4 inside the pole, the slot can be closed by the NO STEP cover 100x350 p/n P/100-350A

Dimensions (base x height x deep) 80x345x90 mm.

Minimum pole diam. 127 mm.



Type M5, double DIN (46277/3) rail to allow the four poles three ways terminal strip 4x16 plus one or two fuse carriers. The M5 is supplied with an extra dome polycarbonate service door in order to permit to assemble one or two MCB's instead of fuse carriers. The M5 comes completed of two rubber grommets to permit a perfect tightness of the in/out feeder cables. After the installation of M5 inside the pole, the slot can be closed by the NO STEP cover 45x186 p/n FP/45-186A.

Dimensions (base x height x deep) 44x269x68 mm.

Minimum pole diam. 89 mm.

Both M4 and M5 are made of polyamidic resin 6.6 self-extinguishing, infrangible.

Double isolation (class 2) according to CEI 64-8/4 standard. Nominal voltage 450V, max current 63A.

Protection grade IP54 CEI EN 60529, IK8 according to CEI EN 50102 standard.

### 3 ways MASTER JUNCTION BOX - M9



J.B. with inspectional polycarbonate cover. J.B. M9, double DIN rail to allow the five poles three ways plus branch terminal strip 5x3x35 sqmm., fuse carriers and any sort of extra accessories like MCB's, surge arrestors etc. The M9 comes completed of two series of rubber grommets to permit a perfect tightness of the in/out feeder cables. After the installation of M9 inside the pole, the slot can be closed by the NO STEP aluminium cover 100x350 p/n P/100-350. Dimensions (base x height x deep) 345x115x90 mm. Minimum pole diameter 127 mm.

The 3 ways M9 allows the interconnection between the main feeder and a cross road using the same J.B. and the same terminal strip 5x3x35 sqmm. Furthermore we have added the sliding DIN rail carrier in order to allow the relevant natural position of it after the wiring.

M9 is made of polyamidic resin 6.6 self-extinguishing, infrangible. Double isolation class 2 according to CEI 64-8/4 standards.

Nominal voltage 450V, max current 63A. Protection grade IP54 CEI EN 60529, IK8 according to CEI EN 50102 standards.

### MULTIPURPOSE UNIVERSAL BASE



- Rectangular made of polyamide 6.6 self-extinguishing
- Manufactured with double built-in DIN rails 4346277/3 to allow fuse carriers, switches and/or terminal strips up to 50 sqmm. • Presetted for n° 4 modules 17,5 mm. on each DIN rail
- Double adjustable hooks for fixing the base on steel bars. Distance of the bars 130/140 mm.
- Slot 100x350 mm. Available pole cover NO STEP 100x350

Dimensions	Min. pole diameter	Total n°of modules	Code n°	Part n°
75x169x12	114	8	<b>BASE</b>	BASE

# ACCESSORIES

## Fuse Carrier

Blade fuse carrier made of polyamide 6.6; galvanic brass flexible contacts. Wire connections by inox screws AISI 304.

**PFS** dimensions 63x16x23 mm. Available for fuses between 6 and 20 Amp. 8,5 x 31,5

**PFS2** dimensions 67x16x23 mm. Available for fuses between 6 and 20 Amp. 10,3 x 38

DIN rail mounting type. Protection rate IP 20 according to CEI EN 60529 Standard.

## Fuses - FS - FS2

Ceramic body with coloured fuse sign. Brass contact, CE mark,

**FS** 8,5 x 31,5; Nominal voltage 400V; 100 KA

**FS2** 10,3 x 38; Nominal voltage 500V; 120 KA

Conform to CEI 32.1.5 - IEC 269.1.3-VDE0636

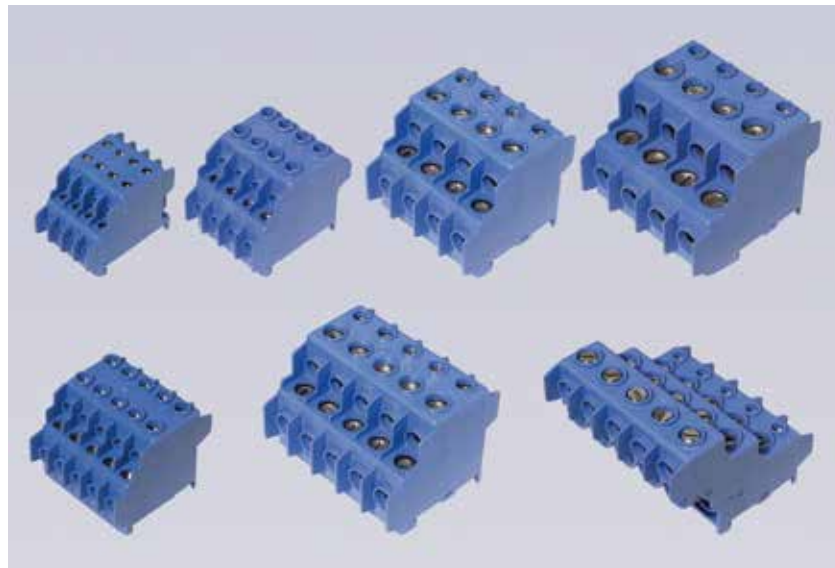
Current (A)	Carrier Part n°	Fuse Part n°
6	<b>PFS</b>	<b>FS</b>
10	<b>PFS</b>	<b>FS</b>
6	<b>PFS2</b>	<b>FS2</b>
10	<b>PFS2</b>	<b>FS2</b>



## Terminal strips - MOR/MOR/

- Made of polyamide resin 6.6 self-extinguishing
- Electro-alloy contacts 3 ways each 4 poles
- Inox screws AISI 304
- Nominal voltage 450V
- Class of isolation 2 according to CEI 64-8/4 standard
- Fast assembling on DIN rail
- Protection rate IP20 according to CEI EN 60529

Max wire gauge (sqmm.)	n° of Poles	Max current (A)	Dimensions	Part n°
6	2x4	30	31x 57 h.36	<b>MOR/MOR/M1</b>
16	2x4	63	40 x 54 h.45	<b>MOR/MOR/M2</b>
35	2x4	63	57 x 60 h.50	<b>MOR/MOR/M3</b>
50	2x4	63	64 x 72 h.55	<b>MOR/MOR/M4</b>
16	2x5	63	50 x 53 h.47	<b>MOR/MOR/M5</b>
35	2x5	63	72 x 62 h.55	<b>MOR/MOR/M6</b>
35	3x5	63	72 x 74 h.55	<b>MOR/MOR/M9</b>



## Socket with built-in fuse carrier - PRESA

Modular (17,5) Bi-pass unit made of polyamide 6.6 self-extinguishing  
Fuse carrier to allow fuses 6 up to 20A, 8,5 X 31,5  
DIN rail fast mounting type.

