

DISTRIBUTION & MEASUREMENT EQUIPMENT FOR LOW VOLTAGE NETWORK

Application

The product is used in electric equipment of public or private lighting circuits for outdoor lighting.

Reference documents:

- IEC 664-1/1992.

RS 80760 []

Outdoor cabinet for public lighting

PA1 ... 4 type

Description

The product ensures electric equipment protection against environmental conditions entering of insects and rats and access of unauthorized persons.

Electric equipment from the box ensures consumer and supply network connection, as well as consumed energy measurement. Connection of consumer can be made automatically, depending on illumination, by photoelectric receptor or by manual control. Manual or automatic connection or disconnection of consumer is obtained with 3 positions key, placed on door.

Note: At request, the key can be placed inside of the box.

Constructive characteristics

- The product is made in a metallic box, thermal zinc coated steel sheet, painted in electrostatic field. In these conditions the box has a very good finishing for use outdoors, in free atmosphere.
- Box cover doesn't surpass its edges and is provided with leakage slopes to front side.
- On door outside are placed warning inscriptions like: dangerous voltage and electrocution danger.
- Electric equipment, according to electric diagram is realised on a metallic plate fixed inside the box with 4 M 6 screws.
- Supplying cables, from network and consumer, have access inside by two compression glands PG21 type.
- Flexible cable MCG 3 x 1,5 mm², for photoelectric receptor connection has access in the box through a low side orifice provided with passing insulating rubber ferrule .



- The box is provided at backside with two profiled supports on which can be fixed necklaces for pillar mounting.
- Null connection can be made inside the box on electric equipment plate connected galvanically with the box and the door.

Environmental conditions

- environmental temperature: -33°C ... +70°C
- temperature range for transport and storage: -33°C ... +50°C
- air relative humidity: max.90% at 20°C
- maximal altitude: 2000 m
- lifetime: 20 years

Warranty

- 12 months from installation, but no more than 24 months from delivery.

Technical data

■ use voltage	230 V c.a.
■ insulation voltage	660 V c.a.
■ supply voltage frequency	50 Hz
■ insulation resistance	min. 100 MΩ
■ dielectric strength	2000 V ef / 50 Hz
■ passing resistance	max. 0.01 Ω
■ protection degree	IP 54
■ overall dimensions	340 x 190 x 550 mm
■ weight	16 Kg

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ISO 9001

ELECTROMAGNETICA S.A.
Bucharest Romania
266-268 Calea Rahovei
Phone: ++4021 404 21 47
Fax: ++4021 404 21 48
<http://www.electromagnetica.ro>

ELECTROMAGNETICA