

Installation and operating instructions for power socket poles

The power socket poles are pre-furnished, pre-cabled, and factory-tested units. They are used to supply electricity and data, e.g. in locations with overhead power distribution. The poles are manufactured in accordance with standards SFS-EN 50085-2-4 and SFS-EN 50085-1.

The power socket poles bear the Key Flag Symbol indicating Finnish origin.

Classification

In accordance with standards SFS-EN 50085-2-4 and SFS-EN 50085-1:

- 6.101.1 Intended for dry floors
- 6.101 For 500N point load
- 6.2.1 Impact resistance 0.5 J
- 6.3 Installation and operating temperatures
- Storage and transport: -5°C - +50°C
- Installation: +15°C - +30°C
- Max. operating temperature: +60°C
- 6.5.1 Conductive
- 6.6.1 Uninsulated
- 6.7 Ingress protection grading IP20
- 6.8.1 Medium protection outside and inside
- 6.9.2 The cover can only be removed with a tool
- 6.10.1 No internal protection

Material

The poles are made from extruded aluminum profile and consist of a body and a removable cover. The surface is coated or anodized.

The fittings include front-edge-mounted wiring accessories or grounded extension cords suitable for a 45mm cover opening.

Electrical data

Nominal voltage: 230V

Rated current: 16A

Ingress protection grading: IP20

Impedance between the pole body and cover: $Z = 8.1 \text{ m}\Omega$.

If the pole is used for equipotential bonding, a grounding kit must be installed on the pole by the manufacturer. The grounding kit ensures that the impedance (Z) between the body and the cover of the pole is $< 50 \text{ m}\Omega$.



Installation and operating temperatures

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Models

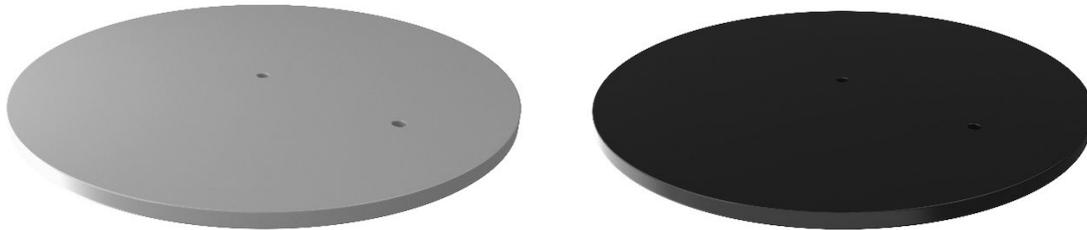
The power socket poles are available in two lengths, 2.3m and 600mm (a mini pole that can be placed e.g. under a table). The poles are furnished on one side or both sides.



Components

- Pole
- Base
- Universal bracket
- Tabletop fixing accessory
- Penetration escutcheons

Lattiajalusta PRP1JH ja PRP1JB



The power socket poles are installed free-standing on a heavy base (PRP1JH or PRP1JB).



The poles can be fitted to the centre or edge of the base.

The base is attached to the bottom of the feeder pole with one screw (maximum torque 8.0Nm) using a 4mm hex key. Do not use a percussive tool to tighten the base screw.

Penetration escutcheons PKK-T150, PKK-T150B, PKK82-120, PKK50-150

The penetration escutcheons are used for finishing cable pass-throughs.



Single-piece penetration escutcheons are used for tabletop or roof pass-throughs and are fixed to the surface by gluing or screwing.

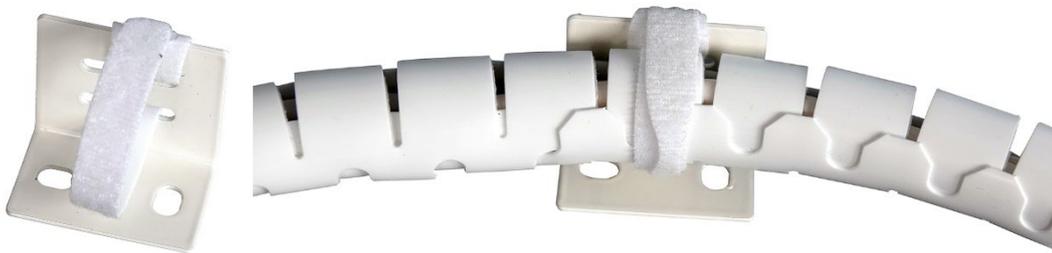
Double-piece penetration escutcheons are attached to a ceiling tile by fixing the screws tightly but not excessively to avoid breakage or damage to the ceiling tile.

Universal bracket PYK80, PYK80H



The universal bracket can be used to fix the pole on the edge of a table, for example.

Ceiling fixing accessory for cables PJK1



The ceiling fixing accessory can be used to mount a set of cables in a protective spiral wrap to the ceiling of a building. The fixing accessory can be attached to cable trays, lighting suspension rails, or other supportive structures. The spiral wrap can be secured to the fixing accessory with velcro.

Tabletop fixing accessory PTL160, PTL160H, PTL160B



The pole can be fixed to a tabletop or other flat surface using the PTL160, PTL160H or PTL160B fixing accessory, and cables and wiring can be passed through the surface if necessary.



Cable clamp PVV1



The corner piece of the cable clamp is attached to the upper end of the pole by removing one screw from the flange on the upper end of the body and attaching the corner piece with the screw included the package.

The other end of the cable clamp can be attached to cable trays, lighting suspension rails, or other supportive structures. The cables are secured by making a loop with a cable locking sleeve.

Things to consider before installing the power socket pole



The pole must be installed on a flat floor surface and as far as possible from walkways to prevent it from falling over. In high-risk environments, e.g. in a daycare centre, the pole must be secured to a table using the PYK80 fixing accessory and/or to the building's ceiling using a cable clamp.

Disposal of power socket poles



End-of-life poles must not be disposed of with mixed waste. They must be delivered to the seller or to a WEEE recycling point for separate collection.