Polysafe

Enclosure of fiberglass reinforced polyester

Manufacture by hot-pressing process
Double insulation, protection class II, 1000Vac -1500Vdc
Suitable for indoor and outdoor use
Halogen free
All components are made of recyclable materials
Compliance with European RoHS hazardous substances limits

Complies with the requirements for empty enclosures for low voltage switchgear assemblies acc:

EN 62208: 2012-06
VDE 0660-511: 2012-06
UL 508A
CSA C22.2 No. 14-2013

Requirements according to IEC 62208:

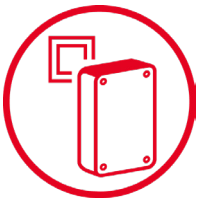
Static load 100 kg
Pull-out forces of metal bushings M6 500 N for 10 seconds
Impact Resistance IK 10
Protection Class IP 65 / IP 66 (EN 60529) Size dependent
Heat resistance
Glow wire test Self-extinguishing at 960°
Dielectric strength 3.3 kV
UV stability
Corrosion resistance

Please note!
All technical information stated here is provided to the best of our knowledge, but nonetheless in no way exempts the user from the duty to verify the suitability of the product for the intended application.

Stand 14.04.2021 - Subject to technical changes

BOPLA
A Phoenix Mecano Company

Advantages of Polysafe polyester enclosures



Electrical insulation

A high level of electrical insulation prevents electrical conductivity and provides complete protection against electric shocks of up to 1500V DC.

Machining

When standard control cabinets are made of sheet steel, creating cut-outs for connectors and cable glands destroys corrosion protection. This does not apply to Polysafe enclosures.

Self-extinguishing

Polyester enclosures are fireproof and self-extinguishing. They pass the 960° glow wire test acc. to IEC 60695-2-10.

Maximum durability

Even salt water and chemical substances cannot cause surface damage. The result is maximum durability for the enclosure.

High degree of protection

With its high degree of protection, Polysafe keeps the mounted electronics clean and dry even in adverse weather conditions.

Maximum impact resistance

Polyester achieves the highest rating of IK10 for maximum resistance in respect of mechanical stress in accordance with IEC-62262.

Resistance in extreme environments

Even in extreme environmental conditions, polyester proves its worth and withstands extreme temperature variations from -30°* to +85°. It is also UV-resistant, so it is ideal for outdoor applications.

*Already successfully used in numerous applications at significantly lower temperatures

Suitable for radio applications

All enclosure components are made of non-screening plastics which enable optimal data transfer for wireless communication.

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