

FO Splice Boxes in Glass-Fiber Reinforced Polyester

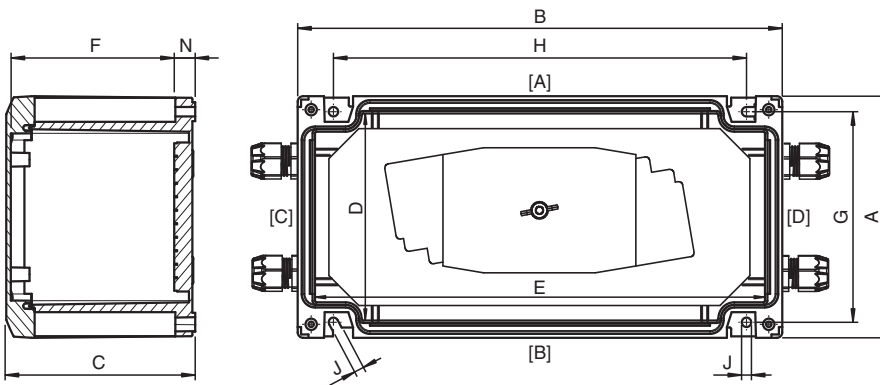
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- Safe protection of fiber optic cable splices in hazardous areas
- Installation in Zone 1, Zone 2, Zone 21 and Zone 22
- Ex op pr and Ex tb certified
- Carbon loaded, antistatic glass-fiber reinforced polyester
- 179 mm x 359 mm x 104 mm
- Modern design with high impact resistance
- Easy installation due to easily accessible mounting points
- Easy cover opening without damage due to multiple pry points
- Left side cable gland polyamide, 6x M20; right side cable gland polyamide, 6x M20



Dimensions



Dimension values see data table.

Image and drawing are generic for this device type and may deviate from the specific variant.

Technical Data

Mechanical specifications

| | |
|----------------------|---|
| Enclosure cover | fully detachable |
| Cover fixing | |
| Screws | M6 stainless steel combination Phillips and slotted screw |
| Number | 4 |
| Tightening torque | 3.5 Nm |
| Cover seal | foamed silicone |
| Degree of protection | IP66 |
| Cable entry | thru-holes |
| Cable entry face C | |
| M20 quantity | 6 |
| M20 series | Cable Glands, Plastic |
| M20 type | CG.PEDS1.M20.* |
| M20 clamping range | 6 ... 12 mm |

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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Technical Data

| | |
|--|--|
| Cable entry face D | |
| M20 quantity | 6 |
| M20 series | Cable Glands, Plastic |
| M20 type | CG.PEDS1.M20.* |
| M20 clamping range | 6 ... 12 mm |
| Material | |
| Enclosure | carbon loaded, antistatic glass-fiber reinforced polyester (GRP) |
| Finish | inherent color black |
| Grounding plate | 2 mm brass optional |
| Mass | approx. 2.9 kg |
| Dimensions | |
| External dimension (A) | 179 mm |
| External dimension (B) | 359 mm |
| External dimension (C) | 104 mm |
| Internal dimension (D) | 156 mm |
| Internal dimension (E) | 336 mm |
| Internal dimension (F) | 81.5 mm |
| Mounting holes distance (G) | 156 mm |
| Mounting holes distance (H) | 306 mm |
| Mounting holes diameter (J) | 7 mm |
| Thickness of mounting brackets (N) | 18 mm |
| Mounting | 4 screws |
| Grounding | none as standard optional M6 or M8 internal/external brass nickel-plated grounding bolt optional M6 or M8 internal/external stainless steel grounding bolt |
| Fiber optic splice tray | |
| Number | 6 |
| Dimensions | 142 mm x 92 mm x 8 mm |
| Quantity of splice connections per tray | 12 |
| Type of splices | fusion with 60 mm heatshrink protectors |
| Fiber optic splicing protection holders per tray | 2 for heatshrink splice protectors 60 mm, 6 splices each |
| Fiber optic strain relief per tray | 2 each for 12 fibers with 0.9 mm or 1.1 mm insulation, removeable |
| Fiber optic cables min. bending radius | 35 mm |
| Fiber optic cables frequency range | 10 ... 10000 MHz |
| Standards | DIN 47662 and Telecom standards |
| Ambient conditions | |
| Ambient temperature | -40 ... 55 °C (-40 ... 131 °F) |
| Data for application in connection with hazardous areas | |
| EU-type examination certificate | CML 17 ATEX 3255X BASEEFA 14 ATEX 0368U |
| Marking | Ⓜ II 2 GD Ex op pr IIC T* Gb Ex tb IIIC T** °C Db T6/T80 °C @ Ta +40 °C T5/T95 °C @ Ta +55 °C |
| International approvals | |
| IECEX approval | IECEX CML 17.0144X IECEX BAS 14.0169U |
| UKCA approval | CML 21 UKEX 3896X |
| Further approvals | further on request |
| Conformity | |
| Degree of protection | EN 60529 |
| CE marking | 0102 |
| General information | |

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Technical Data

| | |
|---------------------------|--|
| Supplementary information | EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see www.pepperl-fuchs.com . |
| Accessories | |
| Optional accessories | M6 or M8 internal/external brass nickel-plated grounding bolts M6 or M8 internal/external stainless steel grounding bolts |