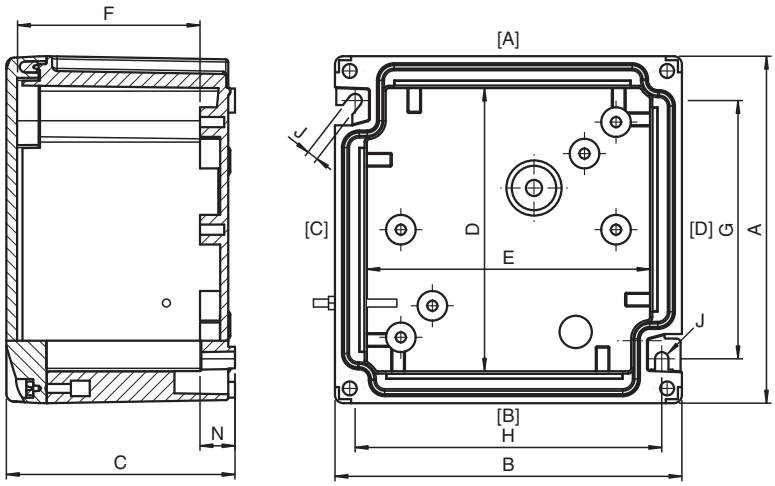


Junction Box Ex i, Glass-Fiber Reinforced Polyester (GRP)

GR.TJI.10.10.07.B-S0011

- Carbon loaded, antistatic glass-fiber reinforced polyester
- Installation in Zone 1, Zone 2, Zone 21 and Zone 22
- Ex ia and Ex tb certified
- 99 mm x 99 mm x 65 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
- Top face cable gland polyamide, 1x M16; bottom face cable gland polyamide, 2x M12
- Blue marking for use with Ex i circuits

Dimensions



Dimension values see data table.
Image and drawing are generic for this device type and may deviate from the specific variant.

Technical Data

Electrical specifications		
Operating voltage		60 V AC / DC max.
Mechanical specifications		
Enclosure cover		fully detachable
Cover fixing		Stainless steel A4 (V4A) combination pozi driv and slotted screw
Screws		M4
Number		4
Tightening torque		1.5 Nm
Cover seal		foamed silicone
Degree of protection		IP66
Cable entry		thru-holes
Cable entry face A		
M16 quantity		1

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Technical Data

M16 series	Cable Glands, Plastic
M16 type	CG.PIDS1.M16S.*
M16 clamping range	4 ... 8 mm
M20 quantity	
M20 series	
M20 type	
M20 clamping range	
Cable entry face B	
M12 quantity	2
M12 series	Cable Glands, Plastic
M12 type	CG.PIDS1.M12.*
M12 clamping range	3 ... 6.5 mm
M20 quantity	
M20 series	
M20 type	
M20 clamping range	
Terminal assembly	
Rail orientation	horizontal
Number of horizontal rails	1
Usable length per horizontal rail	47.5 mm
Terminal type	6 x MUT 2.5 blue 2 x MUT 2.5 PE
Terminal capacity	2.5 mm^2
Material	
Enclosure	carbon loaded, antistatic glass-fiber reinforced polyester (GRP)
Finish	inherent color black
Mass	approx. 0.35 kg
Dimensions	
External dimension (A)	99 mm
External dimension (B)	99 mm
External dimension (C)	65 mm
Internal dimension (D)	76 mm
Internal dimension (E)	76 mm
Internal dimension (F)	48 mm
Mounting holes distance (G)	66 mm
Mounting holes distance (H)	84 mm
Mounting holes diameter (J)	5 mm
Thickness of mounting brackets (N)	18 mm
Mounting	2 screws
Ambient conditions	
Ambient temperature	-40 ... 60 °C (-40 ... 140 °F)
Data for application in connection with hazardous areas	
EU-type examination certificate	CML 17 ATEX 3255X
Marking	Ⓔx II 2 GD Ex ia IIC T* Gb Ex tb IIIC T** °C Db T6/T80 °C @ Ta +40 °C T5/T95 °C @ Ta +60 °C
International approvals	
IECEx approval	IECEx CML 17.0144X
UKCA approval	CML 21 UKEX 3896X
Further approvals	further on request
Conformity	
Degree of protection	EN60529

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Technical Data

CE marking		0102
General information		
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.

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