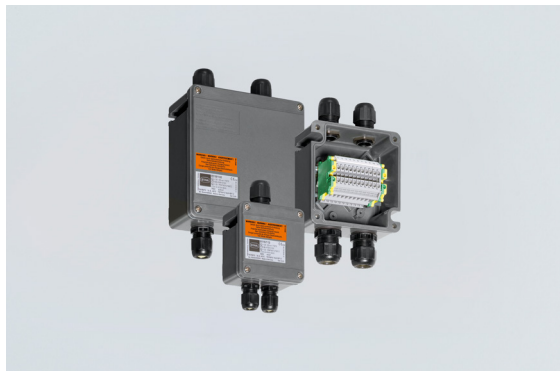


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- Compact, impact-resistant enclosure, also available in versions with integrated metal bracket for optimised mounting of cable glands
- Customer-specific equipping with terminals, cable glands and miniature fuses
- IP66 degree of protection

MY R. STAHL 8118B



R. STAHL Series 8118 terminal boxes are equipped, in accordance with customer specifications, with various terminal blocks and cable glands made from plastic or metal. If required, they are also equipped with miniature fuses. They are available in 3 design sizes and are made from glass fibre reinforced polyester resin.

Technical Data

Explosion Protection

Area of application	European Union (ATEX) IECEx
Application range (zones)	1, 2, 21, 22
IECEx gas certificate	IECEx PTB 06.0026
IECEx gas explosion protection	Ex eb IIC T6 / T5 Gb
IECEx dust certificate	IECEx PTB 06.0026
IECEx dust explosion protection	Ex tb IIIC T80 °C / T95 °C Db
ATEX gas explosion protection	Ex II 2 G Ex eb IIC T6 / T5 Gb
ATEX dust explosion protection	Ex II 2 D Ex tb IIIC T80 °C / T95 °C Db
Certificates	ATEX (PTB), IECEx (PTB)
Declaration of conformity	ATEX (EUK)
Explosion protection note	For product label, see area of application.

Electrical Data

AC rated operational voltage	690 V
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Ambient Conditions

Ambient temperature	-40 °C ... +40 °C (T6) -40 °C ... +55 °C (T5)
Ambient temperature	-40 °F ... +104 °F (T6) -40 °F ... +131 °F (T5)

Mechanical Data

Degree of protection IP (IEC 60529)	IP66
Enclosure material	Polyester resin, Glass fibre reinforced
Enclosure colour	Dark grey
Flammability according to	IEC/EN 60695 UL 94 ASTM D635
Silicone-free	No
Connection cross-section	2.5 mm ²

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Mechanical Data

Cover	Screw-on cover
Cover fixing type	M4 stainless steel screws, With captive screws
Width	85 mm
Width, inches	3.35 in
Height	85 mm
Height in inches	3.35 in
Depth	55 mm
Depth in inches	2.17 in
Packaging unit	1
Weight	15 g
Weight	0.03 lb

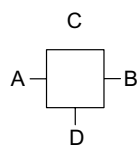
Mounting / Installation

Tightening torque of cover screw 1	1.4 N · m
Tightening torque of cover screw 1 lbf in	12.4 lbf in

Components

Entry 1	2 x 8161/7-M20-1304
Entry 1 type	Polyamide cable gland, black
Entry 1	M20 x 1.5
Entry 1 clamping range	4 – 13 mm
Entry 1 clamping range, inch	0.16 – 0.51 in
Metal entry possible 1	No
Entry 2	1 x 8161/7-M20-1304 with plug
Entry 2 type	Polyamide cable gland, BK
Entry 2	M20 x 1.5
Entry 2 clamping range	4 – 13 mm
Entry 2 clamping range, inch	0.16 – 0.51 in
Metal entry possible 2	No
Entries installation options/side	Size 1: 3x M20 (A+B+D)
Terminal rail	15 x 63 mm (1x)
Terminal rail	0,59 x 2,48 " (1x)
Type of terminals 1	4 x WAGO 264-220 4-conductor, 2.5 mm ² , grey
Type of terminals PE 1	1 x WAGO 264-727/999-950 4-conductor, 2.5 mm ² , green-yellow
	For connection cross-sections, see the manufacturer's data sheet

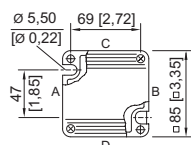
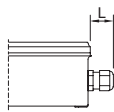
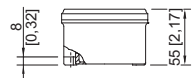
Technical Drawings – Subject to Alterations



"—" = marking for mounting options

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Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



Length L
Projection dimension for cable gland of Series 8161:
For M20: 25 to 31 [0.98 to 1.22]
For M25: 27 to 33 [1.06 to 1.3]
For M32: 32 to 39 [1.26 to 1.54]

8118/1.
Enclosure SZ 1

Accessories

Brass plate with thread

Art. No.



8118 SZ 1, plate 37 x 30 mm [1.46 x 1.18 inch]
1 x M20 x 1.5 with M4 PE connection (left)
Can be installed in enclosures of SZ 1, SZ 2 and SZ 3

168913



8118 SZ 1, plate 37 x 30 mm [1.46 x 1.18 inch]
1 x M20 x 1.5 with M4 PE connection (right)
Can be installed in enclosures of SZ 1, SZ 2 and SZ 3

168914

End plate

Art. No.



WAGO End and Intermediate Plate, 4 mm, 264-370

112707

Plastic cable gland

Art. No.



8161/7-M20-1304, Ex e
Polyamide, M20 x 1,5 mm, 4 – 13 mm
Lot size 50 pieces

239156

Protective conductor terminal

Art. No.



WAGO Mini Terminal Block 264-727-999-95 0 GNYE

112112

Stopping plug

Art. No.



8290/3-M20
Plastic, M20 x 1.5
Lot size 100 pieces

285773

Terminal block

Art. No.



WAGO terminal blocks 2.5 mm² 264-724 grey

112706

8118/112-601-0 Art. No. 349591

We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.