

8150/2-0176-0116-091-3311 Art. No. 275148



- Resistant Ex i terminal boxes made of stainless steel, degree of protection IP66, external earth connection M8
- Version as screw-on cover or hinge cover with sash locks
- Equipped as required

MY R. STAHL 8150H



R. STAHL Series 8150 Ex i terminal boxes are made of brushed stainless steel (1.4301, AISI 304 or 1.4404, AISI 316L) and are particularly resistant. The optimised design and the circumferential protection channel on the cover opening and the silicone seal suitable for the most extreme temperature ranges make the enclosure usable worldwide. Various optional accessories are available.

Technical Data

Explosion Protection

Scope of validity	European Union (ATEX) IECEX United Kingdom
Application range (zones)	1 2 21 22
IECEX gas certificate	IECEX PTB 09.0048
IECEX gas explosion protection	Ex ia ib IIC T6 Gb
IECEX dust certificate	IECEX PTB 09.0048
IECEX dust explosion protection	Ex tb IIIC T80 °C Db
ATEX gas certificate	PTB 09 ATEX 1108
ATEX gas explosion protection	⊕ II 2 G Ex ia ib IIC T6 Gb
ATEX dust certificate	PTB 09 ATEX 1108
ATEX dust explosion protection	⊕ II 2 D Ex tb IIIC T80 °C Db
Certificates	ATEX (PTB), IECEX (PTB), India (PESO), Korea (KGS), Taiwan (ITRI)
Declaration of Conformity	ATEX (EUK), China (CCC)

Electrical Data

Rated operational voltage AC	0 ... 60 V
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Ambient Conditions

Ambient temperature	-60 °C ... +75 °C
Ambient temperature	-76°F ... +167°F

Mechanical Data

Degree of protection IP (IEC 60529)	IP66
Enclosure material	Stainless steel 1.4404, (AISI 316L), brush finished
External protective conductor connection	M8
Silicone-free	No

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Mechanical Data

Connection cross-section	2.5 mm ²
Connection cross-section AWG	AWG14
Cover thickness	2 mm
Cover thickness inch	0.079 in
Wall thickness	1.5 mm
Wall thickness, inches	0.059 in
Dimensions (WxHxD)	176.5 x 116.5 x 91 mm
Width	176.5 mm
Width, inches	6.945 in
Height	116.5 mm
Height, inches	4.587 in
Depth	91 mm
Depth, inches	3.583 in
Weight	2.25 kg
Weight	4.96 lb

Mounting / Installation

Tightening torque of cover screw 1	4.5 Nm
Tightening torque of cover screw 1 lbf in	39.83 lbf in

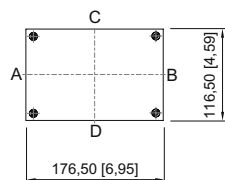
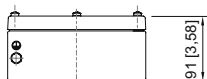
Components

Flange and plates	Without flange
Entries installation options/side	Without drilled holes
Terminal rail	35 x 133 mm (1x)
Terminal rail	1.38 x 5.24" (1x)
Type of terminals 1	1 x Phoenix UT 2-conductor, 2.5 mm ² , blue

Technical Drawings – Subject to Alterations



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



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Accessories

Screw hinge assembly kit

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Installation equipment

Ex i terminal box



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Retrofittable hinge for enclosure up to max. 400 x 400 mm

275739

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.