

8146/2051 Art. No. 278806



- Wide range of Ex i terminal boxes in various sizes and materials
- Degree of protection IP66
- Customised equipping in accordance with customer specifications
- Enclosures with captive cover screws
- If required, flange on enclosure sides is possible

MY R. STAHL 8146T



R. STAHL Series 8146 terminal boxes, made of high-quality, glass fiber-reinforced polyester resin, are ideal for use in harsh operating conditions. With eight basic sizes in various heights, they are universally usable. If requested by the customer, they are equipped with series terminals up to 300 mm² and, as an option, a flange on several enclosure sides is possible.

Technical Data

Explosion Protection

Area of application	NEC® CE Code
Application range (zones)	1, 2, 21, 22
Certification ULus	E177642
Certificate cUL	E177642
Marking cUL	Class I, Zone 1 IIC T6 Class I, Div. 1, 2, Groups A,B,C,D Class II, Div. 1, 2, Groups E,F,G Class III Enclosure Type 3, 4, 4X
Certificates	ATEX (PTB), IECEx (PTB), India (PESO), Korea (KGS), Taiwan (ITRI)
Ship approval	DNV

Electrical Data

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

Ambient temperature °C	-50 °C ... +75 °C
Ambient temperature °F	-58°F ... +167°F

Mechanical Data

IP degree of protection (IEC 60529)	IP66
Degree of protection (IP) UL	IP66
Enclosure material	Polyester resin, Glass fibre reinforced
Enclosure color	Dark grey
Flammability according to	IEC/EN 60695 UL 94 ASTM D635
Silicone-free	No
Connection cross-section	2.5 mm ²
Connection cross-section AWG	14 AWG

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Mechanical Data

Cover thickness	2.8 mm
Cover thickness in inches	0.11 in
Wall thickness	2.8 mm
Wall thickness in inches	0.11 in
Width	170 mm
Width, inches	6.692 in
Height	170 mm
Height in inches	6.692 in
Depth	91 mm
Depth in inches	3.583 in
Weight	8 kg
Weight	17.64 lb

Mounting / Installation

Tightening torque lbf in	0 lbf-in
Tightening torque of cover screw 1	4.5 N · m
Tightening torque of cover screw 1 lbf in	39.83 lbf in

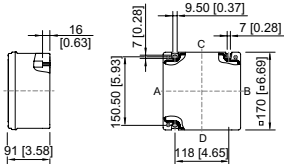
Components

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 mm², blue
PA terminal	1 x Phoenix UT 2.5 mm² grey

Technical Drawings – Subject to Alterations



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



8146/.051

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.