

8146/2083 Art. No. 278809



- 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 mm<sup>2</sup> and, as an option, a flange on several enclosure sides is possible.

## Technical Data

### Explosion Protection

Scope of validity	NEC CEC
Application range (Zones)	1 2 21 22
Certification NEC	E177642
Certification CEC	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)

### 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

Degree of protection IP (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 <sup>2</sup>

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### Mechanical Data

Connection cross-section AWG	AWG14
Cover thickness	2.8 mm
Cover thickness inch	0.11 in
Wall thickness	2.8 mm
Wall thickness, inches	0.11 in
Width	340.5 mm
Width, inches	13.406 in
Height	340.5 mm
Height, inches	13.4060 in
Depth	150 mm
Depth, inches	5.906 in
Weight	3 kg
Weight	6.61 lb

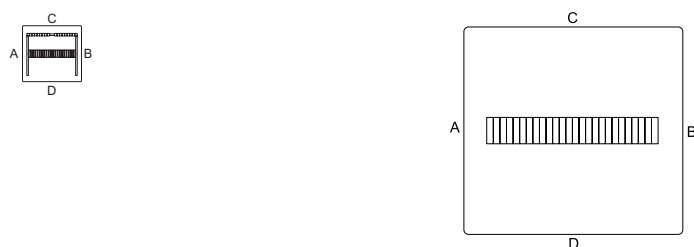
### Mounting / Installation

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

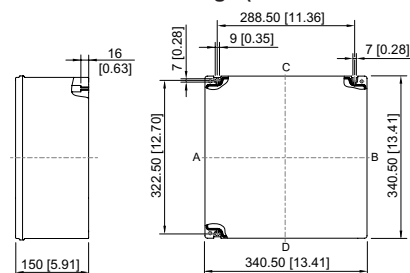
### Components

Flange and plates	Without flange
Entries installation options/side	Without drilled holes
Terminal rail	35 x 301 mm (1x)
Terminal rail	1.38 x 11.85" (1x)
Type of terminals 1	1 x Phoenix UT 2-conductor, 2.5 mm <sup>2</sup> , blue
PA terminal	1 x Phoenix UT 2.5 mm <sup>2</sup> grey

### Technical Drawings – Subject to Alterations



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



8146/.083

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.