



STAHL 136667 Ex e Terminal Box Owner's Manual

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STAHL 136667 Ex e Terminal Box



8146/1041

Art. No: 136667

- Wide range of Ex e 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

WebCode 8146A

R. STAHL Series 8146 terminal boxes, made of high- quality, glass fibre- 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	
Scope of validity	IECEX European Union (ATEX)

Application range (zones)	1 2 21 22
IECEX gas certificate	IECEX PTB 06.0046
IECEX gas explosion protection	Ex eb IIC T6 ... T5 Gb
IECEX dust certificate	IECEX PTB 06.0046
IECEX dust explosion protection	Ex tb IIIC T80 °C / T95 °C Db
ATEX gas certificate	PTB 01 ATEX 1016
ATEX gas explosion protection	E II 2 G Ex eb IIC T6 ... T5 Gb
ATEX dust certificate	PTB 01 ATEX 1016
ATEX dust explosion protection	E II 2 D Ex tb IIIC T80 °C / T95 °C Db
Certificates	ATEX (PTB), Brazil (ULB), Canada / USA (UL), Canada (UL), China (NEPSI), EAC (ENDCE), IECEX (PTB), India (PESO), Korea (KGS), Taiwan (ITRI), USA (UL)
Ship approval	BVIS
Explosion protection note	Product label may vary. Series devices have certification according to ATEX and IECEX.
Electrical Data	
Rated operational voltage AC	0 – 690 V
Ambient Conditions	
Ambient temperature	-60 °C ... +40 °C (T6) -60 °C ... +55 °C (T5)
Ambient temperature	-76°F ... +104°F (T6) -76°F ... +131°F (T5)
Mechanical Data	
IP degree of protection (IEC 60529)	IP66
Enclosure material	Polyester resin, Glass fibre reinforced

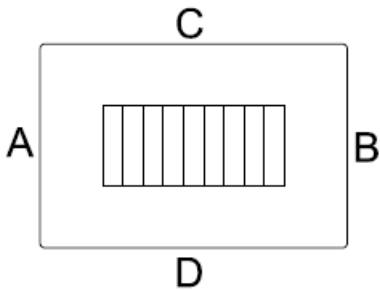
Mechanical Data	
Enclosure colour	Dark grey

Flammability according to	IEC/EN 60695 UL 94 ASTM D635
Silicone-free	No
Connection cross-section	4 mm ²
Connection cross-section AWG	AWG 12
Cover thickness	2.8 mm
Cover thickness inch	0.11 in
Wall thickness	2.8 mm
Wall thickness, inches	0.11 in
Width	170 mm
Width, inches	6.692 in
Height	112.5 mm
Height, inches	4.429 in
Depth	91 mm
Depth, inches	3.583 in
Weight	1 kg
Weight	2.2 lb
Mounting / Installation	
Tightening torque of cover screw 1	4.5 Nm
Cover screw 1 tightening torque lbf in	39.83 lbf in
Components	
Flange and plates	Without flange
Entries installation options/side	Without drilled holes
Entries	none
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, 4 mm ² , grey

Type of terminals PE 1	2 x Phoenix UT PE 2-conductor, 4 mm ² , green-yellow
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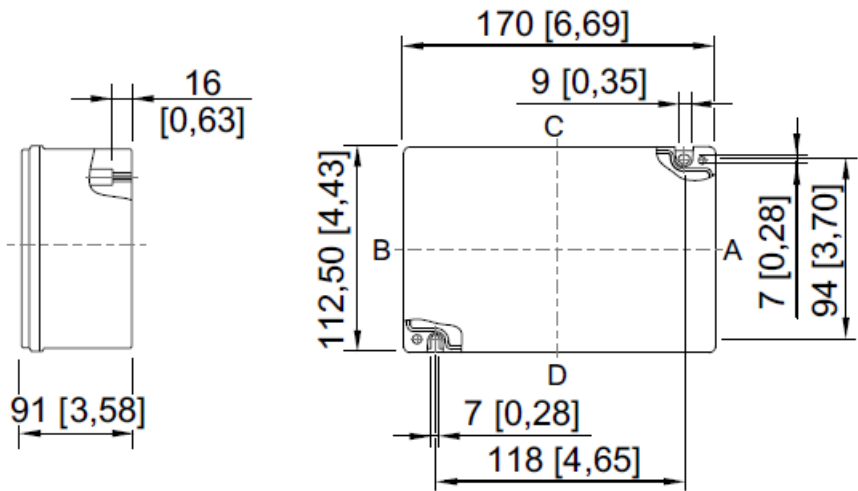
Technical Drawings

Subject to Alterations



Dimensional Drawings

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



8146/.041

Spare Parts

Brass plate 2 mm for	enclosure	Art. No.
	for 8146/.031 (enclosure sides C / D) 8146/.041 (enclosure sides A / B)	136940
	for 8146/.041 (enclosure sides C / D)	136945

Brass plate 3 mm for enclosure

	for 8146/.031 (enclosure sides C / D) 8146/.041 (enclosure sides A / B)	136395
	for 8146/.041 (enclosure sides C / D)	136403

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.

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Documents / Resources

	STAHL 136667 Ex e Terminal Box [pdf] Owner's Manual 136667 Ex e Terminal Box, 136667, Ex e Terminal Box, Terminal Box, Box
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References

-  [R. STAHL | Explosion Hazard Systems | Industrial Explosion Protection](#)
-  [You will find a little bit of Stahl chemistry everywhere](#)

Manuals+.