

8146/1061 Art. No. 136716



- 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	II 2 G Ex eb IIC T6 ... T5 Gb
ATEX dust certificate	PTB 01 ATEX 1016
ATEX dust explosion protection	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

8146/1061 Art. No. 136716

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	227 mm
Width, inches	8.937 in
Height	170 mm
Height, inches	6.692 in
Depth	91 mm
Depth, inches	3.583 in
Weight	1.35 kg
Weight	2.98 lb

Mounting / Installation

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

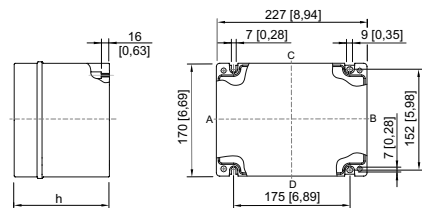
Components

Flange and plates	Without flange
Entries installation options/side	Without drilled holes
Entries	none
Terminal rail	35 x 189 mm (1x)
Terminal rail	1.38 x 7.44" (1x)
Type of terminals 1	1 x Phoenix UT 2-conductor, 4 mm ² , grey
Earth rail	7 x 4 mm ² (1x)

Technical Drawings – Subject to Alterations



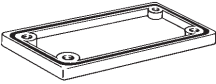
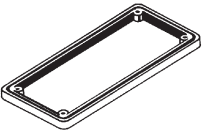
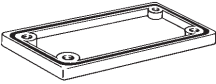
Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



8146/.06.
8146/.061: h = 91 mm
8146/.062: h = 131 mm

8146/1061 Art. No. 136716

Spare Parts

Brass plate 2 mm for enclosure		Art. No.
	for 8146/.051, 8146/.052 (enclosure sides C / D) 8146/.061, 8146/.062 (enclosure sides A / B) 8146/.071, 8146/.072 (enclosure sides A / B)	136921
	for 8146/.061, 8146/.062 (enclosure sides C / D)	136933
Brass plate 2 mm for flanges		Art. No.
	for flange size 1 (68 x 126 mm)	136888
Brass plate 3 mm for enclosure		Art. No.
	for 8146/.051, 8146/.052 (enclosure sides C / D) 8146/.061, 8146/.062 (enclosure sides A / B) 8146/.071, 8146/.072 (enclosure sides A / B)	136283
Brass plate 3 mm for flanges		Art. No.
	for flange size 1 (68 x 126 mm)	136201
Flange		Art. No.
	Size 1: 68 x 128 mm, 2.8 mm thick	135978
Frame		Art. No.
	Size 1, 68 x 128 mm	135974
Flange		Art. No.
	Size 1: 68 x 128 mm, 5.8 mm thick	136032

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.