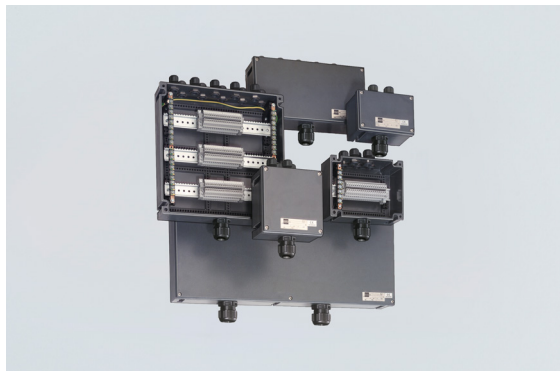


8146/1S71 Art. No. 351525



- Versatile Ex e terminal boxes in various sizes and heights, degree of protection IP66
- Can be equipped as per customer requirements
- Enclosure with captive cover screws, flanges can be fitted on enclosure sides if required

MY R. STAHL 8146A



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

Technical Data

Explosion Protection

Area of application	European Union (ATEX) IECEX
Application range (zones)	1, 2, 21, 22
IECEX gas certificate	IECEX PTB 06.0046
IECEX gas explosion protection	Ex eb IIC T6 Gb
IECEX dust certificate	IECEX PTB 06.0046
IECEX dust explosion protection	Ex tb IIIC T80 °C Db
ATEX gas certificate	PTB 01 ATEX 1016
ATEX gas explosion protection	⊕ II 2 G Ex eb IIC T6 Gb
ATEX dust certificate	PTB 01 ATEX 1016
ATEX dust explosion protection	⊕ II 2 D Ex tb IIIC T80 °C Db
Certificates	ATEX (PTB), IECEX (PTB)
Explosion protection note	Product label may vary. Series devices are labelled with ATEX and IECEX.

Electrical Data

Rated operational voltage AC	550 V
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Ambient Conditions

Ambient temperature	-40 °C ... +40 °C (T6)
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Mechanical Data

Degree of protection IP (IEC 60529)	IP66
Enclosure material	Polyester resin, Glass fibre reinforced
Enclosure colour	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 fixing type	With captive screws
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	340.5 mm
Width, inches	13.406 in
Height	170 mm
Height in inches	6.692 in
Depth	91 mm
Depth in inches	3.583 in
Weight	2 kg
Weight	4.41 lb

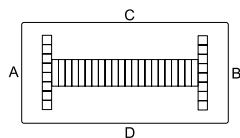
Mounting / Installation

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

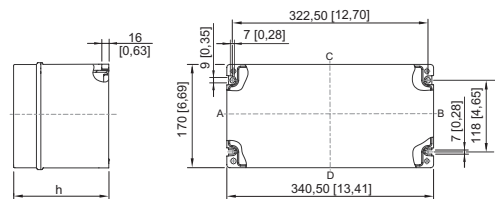
Flange and plates	Without flange, without plates
Entry 1	1 x Black cable gland M40 Ø 17 ... 28 mm
Entry 2	1 x Black cable gland with plug
Entry 3	8 x Black cable gland with plug M25 Ø 10 ... 17 mm
Entry 4	1 x Stopping plugs M25 x 1,5
Entries installation options/side	with plug
Terminal rail	35 x 301 mm (1x)
Terminal rail	1.38 x 11.85" (1x)
Type of terminals 1	16 x Phoenix PT 2-conductor, 2.5 mm ² , grey
Earth rail	18 x 4 mm ² (1x)

Technical Drawings – Subject to Alterations



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



8146/.S7.
 8146/.S71: h = 91 mm [3.58 inch]
 8146/.S73: h = 150 mm [5.91 inch]

Spare Parts

2 mm brass plate for enclosure

Art. No.



For
 8146/.051, 8146/.052 (enclosure sides A/B)
 8146/.S71 (enclosure sides A/B)

136914

For
 8146/.S71 (enclosure sides C/D)
 8146/.081, 8146/.082 (enclosure sides C/D)
 8146/.091, 8146/.092 (enclosure sides A/B)

136950

2 mm brass plate for flanges

Art. No.



For flange size 1 (68 x 128 mm)

136888

3 mm brass plate for enclosure

Art. No.



For
 8146/.051, 8146/.052 (enclosure sides A/B)
 8146/.S71 (enclosure sides A/B)

136240

For
 8146/.S71 (enclosure sides C/D)
 8146/.081, 8146/.082 (enclosure sides C/D)
 8146/.091, 8146/.092 (enclosure sides A/B)

136544

3 mm brass plate for flanges

Art. No.

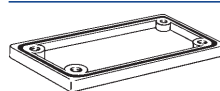


For flange size 1 (68 x 128 mm)

136201

Flange

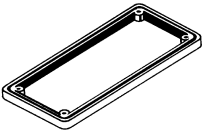
Art. No.



Size 1: 68 x 128 mm, 5.8 mm thick

136032

8146/1S71 Art. No. 351525

Frame		Art. No.
	Size 1, 68 x 128 mm	135974

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