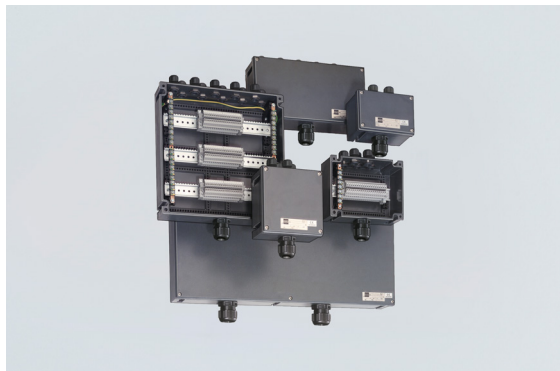


8146/1S73 Art. No. 351521



- 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	4 mm ²
Connection cross-section AWG	12 AWG

8146/1S73 Art. No. 351521

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	150 mm
Depth in inches	5.906 in
Weight	2.5 kg
Weight	5.51 lb

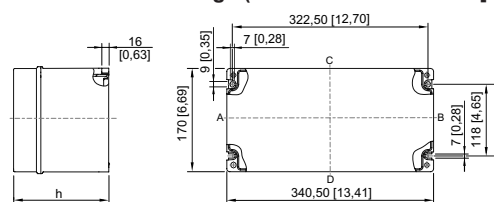
Mounting / Installation

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 M32 Ø 13 ... 21 mm
Entry 3	16 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	32 x Phoenix PT 2-conductor, 4 mm², grey
Earth rail	18 x 4 mm² (1x)

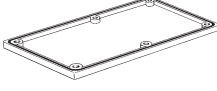
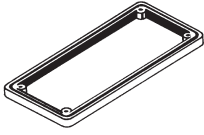
Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



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

8146/1S73 Art. No. 351521

Spare Parts

2 mm brass plate for enclosure		Art. No.
	For 8146/.S73 (enclosure sides C/D) 8146/.083 (enclosure sides C/D) 8146/.093 (enclosure sides A/B)	136979
2 mm brass plate for flanges		Art. No.
	For flange size 2 (126 x 266 mm)	136960
3 mm brass plate for enclosure		Art. No.
	For 8146/.S73 (enclosure sides C/D) 8146/.083 (enclosure sides C/D) 8146/.093 (enclosure sides A/B)	136626
3 mm brass plate for flanges		Art. No.
	For flange size 2 (126 x 266 mm)	136568
Brass plate 2 mm for enclosure		Art. No.
	for 8146/.S73 (enclosure sides A / B)	136973
Flange		Art. No.
	Size 2: 126 x 266 mm, 2.8 mm thick	136045
	Size 2: 126 x 266 mm, 5.8 mm thick	136083
Frame		Art. No.
	Size 2.126 x 266 mm	136031

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.