

- Flexible: Modular structure and 3 sizes enable customer-specific versions
- Lightweight enclosure made from glass fibre reinforced polyester resin (GRP), suitable for shipping industry and offshore

### MY R. STAHL 8040B



With the R. STAHL Series 8040 control device system, you can get a clear overview of the control devices. The 3 combinable design sizes and the modular structure offer flexibility. You can choose from one standard version and customised variants.

## Technical Data

### Explosion Protection

Scope of validity	IECEX
Application range (zones)	1 2 21 22
IECEX gas certificate	IECEX PTB 06.0025
IECEX gas explosion protection	Ex db eb IIC T6 / T5 Gb
IECEX dust certificate	IECEX PTB 06.0025
IECEX dust explosion protection	Ex tb IIIC T80 °C / T95 °C Db
ATEX gas certificate	PTB 01 ATEX 1105
ATEX gas explosion protection	⊕ II 2 G Ex db eb IIC T6 / T5 Gb
ATEX dust certificate	PTB 01 ATEX 1105
ATEX dust explosion protection	⊕ II 2 D Ex tb IIIC T80 °C / T95 °C Db
Certificates	ATEX (PTB), Brazil (ULB), Canada (UL), China (NEPSI), IECEX (PTB), India (PESO), Korea (KGS), Taiwan (ITRI), USA (UL)
Ship approval	DNVGL
Declaration of Conformity	ATEX (EUK), China (CCC)
Explosion protection note	Product label may vary. Series devices have certification according to ATEX and IECEX.

### Electrical Data

Rated operational voltage AC	550 V
Rated operational current	10 A (T6)

### 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

Degree of protection (IP)	IP66
Degree of protection IP (IEC 60529)	IP66

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### Mechanical Data

Enclosure material	Polyester resin, Glass fibre reinforced
Enclosure colour	Dark grey
Silicone-free	No
AWG clamping range	14 AWG
Connection cross-section max.	2.5 mm <sup>2</sup>
Solid connection cross section	0.32 – 2.5 mm <sup>2</sup>
Connection cross-section AWG single stranded	22 AWG to 14 AWG
Finely stranded connection cross section	0.32 – 2.5 mm <sup>2</sup>
Finely stranded connection cross-section AWG	22 AWG - 14 AWG
Cover fixing type	With captive screws, M4 stainless steel screws
Width	80 mm
Width, inches	3.15 in
Height	93 mm
Height, inches	3.66 in
Depth	72 mm
Depth, inches	2.76 in
Seal	Silicone, foamed
Weight	450 g
Weight	0.99 lb

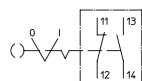
### Mounting / Installation

Tightening torque of cover screw 1	1.4 Nm
Tightening torque of cover screw 1 lbf in	12.4 lbf in

### Components

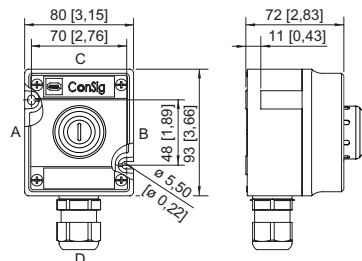
Installation position middle	Key-operated switch, Latching/latching
Built-in element middle	Contact element NC/NO
Flange and plates	Without flange, without plates
Entry type	Standard 8161, moulded material
Entry 1	1 x 8161/7-M25-1707-LT
Entry 1 type	Polyamide cable gland, black
Entry 1	M25 x 1.5
Entry 1 terminal area	7 – 17 mm
Entry 1 clamping range, inch	0.28 – 0.67 in
Metal entry possible 1	No

### Technical Drawings – Subject to Alterations



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



ConSig 8040/11

## Accessories

### Key-operated switch actuator BG008



Ø 39 mm  
Black  
Closing: MS1  
Number of switching positions: 2  
Switching function: Latching / Latching  
Silicone-free: No

**Art. No.**

244574

### Spare key



Closing MS1

**Art. No.**

107109

## Spare Parts

### Label holder



Size 1, without insert disc, 1-line label  
for actuators Ø 39

**Art. No.**

223566



Size 2, without insert disc, 1- or 2-line label  
for actuators Ø 39

223567



Size 3, without insert disc, 1-, 2- or 3-line label  
for actuators Ø 39

223568

### Special key



for tightening plastic locking nut

**Art. No.**

169101

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.