

8040/1180X-09XXXSA05 Art. No. 130665



- Flexible: Modular design and three sizes make customer-specific versions possible
- Lightweight enclosure made of glass fibre reinforced polyester resin (GRP), suitable for the marine industry and offshore applications

MY R. STAHL 8040B



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

Technical Data

Explosion Protection	
Area of application	IECEX European Union (ATEX)
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	PTB 01 ATEX 1105
IECEX dust explosion protection	Ex tb IIIC T80 °C / T95 °C Db
ATEX gas certificate	PTB 01 ATEX 1105
ATEX gas explosion protection	Ex II 2 G Ex db eb IIC T6 / T5 Gb
ATEX dust certificate	PTB 01 ATEX 1105
ATEX dust explosion protection	Ex 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	DNV
Declaration of conformity	ATEX (EUK), China (CCC)
Explosion protection note	Product label may vary. Series devices are labelled with ATEX and IECEX.
Electrical Data	
AC rated operational voltage	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 (IEC 60529)	IP66
Enclosure material	Polyester resin, Glass fibre reinforced
Enclosure colour	Dark grey

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Mechanical Data

Silicone-free	No
Connection cross-section max.	2.5 mm ²
Solid connection cross section	0.32 – 2.5 mm ²
Connection cross-section AWG single stranded	22 AWG ... 14 AWG
Finely stranded connection cross section	0.32 – 2.5 mm ²
Finely stranded connection cross-section AWG	22 AWG ... 14 AWG
Seal	Silicone, foamed
Cover fixing type	With captive screws, M4 stainless steel screws
Width	80 mm
Width, inches	3.15 in
Height	93 mm
Height in inches	3.66 in
Depth	72 mm
Depth in inches	2.76 in
Weight	450 g
Weight	0.99 lb

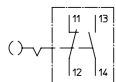
Mounting / Installation

Tightening torque of cover screw 1	1.4 N · m
Tightening torque of cover screw 1 lbf in	12.4 lbf in

Components

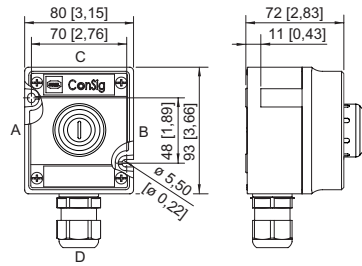
Installation position middle	EM-STOP mushroom stay-put button with key lock
Built-in element middle	Contact element NC/NO
Flange and plates	Without flange, without plates
Entry type	Standard 8161, moulded material
Entry 1	1 x 8161/7-M25-1707-LT
Entry 1 type	Polyamide cable gland, black
Entry 1	M25 x 1.5
Entry 1 clamping range	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



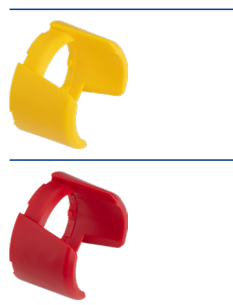
ConSig 8040/11

Accessories

Mushroom stay-put button with key lock, EM-STOP BG009

		Art. No.
	Ø 39 mm Yellow/red Designation plate: With yellow backing plate Closing: MS1 Front panel mounting Silicone-free: No	223694

Protective collar

		Art. No.
	8602C3-751 plastic/yellow for mushroom stay-put button with key lock/mushroom stay-put button dia. 39 BG006, BG009, BG010, BG012	257708
	8602C3-751 plastic/red for mushroom stay-put button with key lock/mushroom stay-put button dia. 39 BG006, BG009, BG010, BG012	257707

Spare Parts

Label holder

		Art. No.
	Size 1, without insert disc, 1-line label for actuators Ø 39	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

Control and signalling devices

Control device system Series ConSig 8040

STAHL

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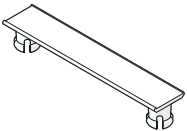
Spare key

	Closing MS1	Art. No. 107109
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Special key

	for tightening plastic locking nut	Art. No. 169101
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Tag label

	plain for attaching to enclosure 8040; moulded material; with paper insert strip	Art. No. 130673
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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.