

Control Devices

Control device system ConSig 8040 series



ConSig

8040/1380X-01L03SA04-54C03SA70-12L03SA01 Art. No. 287000



- 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. The 8208 contact elements monitor the systems for wire breakage and short circuit. The 8208 contact elements monitor the systems for wire breakage and short circuit.

Technical Data

Explosion Protection	
Scope of validity	European Union (ATEX) IECEX
Application range (Zones)	1 2 21 22
IECEX gas certificate	IECEX PTB 06.0025
IECEX gas explosion protection	Ex db eb IIC T6 Gb
IECEX dust certificate	IECEX PTB 06.0025
IECEX dust explosion protection	Ex tb IIIC T80 °C Db
ATEX gas certificate	PTB 01 ATEX 1105
ATEX gas explosion protection	⊕ II 2 G Ex db eb IIC T6 Gb
ATEX dust certificate	PTB 01 ATEX 1105
ATEX dust explosion protection	⊕ II 2 D Ex tb IIIC T80 °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	690 V
Rated operational current	10 A (T6)
Ambient Conditions	
Ambient temperature °C	-60 °C ... +40 °C (T6)
Ambient temperature °F	-76 °F ... +104 °F (T6)
Mechanical Data	
Degree of protection (IP)	IP66

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Mechanical Data

Degree of protection IP (IEC 60529)	IP66
Enclosure material	Polyester resin, Glass fibre reinforced
Enclosure color	Dark grey
Silicone-free	No
AWG clamping range	14 AWG
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 to 14 AWG
Finely stranded connection cross section	0.32 – 2.5 mm ²
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	185 mm
Height, inches	7.28 in
Depth	72 mm
Depth, inches	2.76 in
Seal	Silicone, foamed
Weight	754 g
Weight	1.66 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 top	Pushbutton, Black, With silicone seal
Built-in element top	Contact element NO/NO
Installation position middle	Indicator lamp bezel, Clear, With silicone seal
Built-in element middle	LED indicator lamp
Installation position bottom	Mushroom stay-put button, Black, With silicone seal
Built-in element bottom	Contact element NC
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

Accessories

Indicator lamp bezel
BG054




Art. No.

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	Diameter 39 mm All colors Silicone-free: No	223123
Mushroom stay-put button, black		
BG012		Art. No.
	Ø 39 mm Black Silicone-free: No	223700
Pushbutton		
BG001		Art. No.
	Ø 39 mm Black Designation plate: Black, blank disc without text Silicone-free: No	223692

Spare Parts







Caps for BG054		Art. No.
	for indicator lamp, all colors packaged	248685
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
Locking devices		Art. No.
	8602C3-752 for actuated mushroom stay-put button BG010, BG012	244869
	8602C3-753 for not actuated pushbutton BG001	244870
	8602C3-754 for actuated pushbutton BG001	244871

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	8602C3-755 for not actuated pushbutton BG001	244872
	8602C3-756 for actuated mushroom stay-put button BG010, BG012	244873
	8602C3-758 for not actuated mushroom stay-put button BG010, BG012	244874
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
Special key		Art. No.
	for tightening plastic locking nut	169101

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