



- 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

WebCode **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	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	DNV GL

Electrical Data

Rated operational voltage AC	690 V
Rated operational current	10 A (T6)

Power dissipation	Vertical installation			
	Maximum surface temperature	Maximum permissible integrated power dissipation depending on the ambient temperature		
		-60 °C ≤ Ta ≤ +50 °C	-60 °C ≤ Ta ≤ +60 °C	-60 °C ≤ Ta ≤ +75 °C
	80 °C (T6)	1.1 W ¹⁾	0.8 W ²⁾	-
	95 °C (T5)	1.1 W ¹⁾	1.1 W ¹⁾	0.8 W ²⁾
	100 °C (T4)	1.1 W ¹⁾	1.1 W ¹⁾	0.8 W ²⁾
		¹⁾ 27 K - Max. temperature rise		
		²⁾ 20 K - Max. temperature rise		
		³⁾ 100 °C - Max. permissible service temperature (material limit)		
		Horizontal installation		
Maximum surface temperature	Maximum permissible integrated power dissipation depending on the ambient temperature			
	-60 °C ≤ Ta ≤ +50 °C	-60 °C ≤ Ta ≤ +60 °C	-60 °C ≤ Ta ≤ +75 °C	
80 °C (T6)	1.1 W ¹⁾	-	-	
95 °C (T5)	1.1 W ¹⁾	1.1 W ¹⁾	-	
100 °C (T4)	1.1 W ¹⁾	1.1 W ¹⁾	0.8 W ²⁾	
	¹⁾ 30 K - Max. temperature rise			
	²⁾ 23 K - Max. temperature rise			
	³⁾ 100 °C - Max. permissible service temperature (material limit)			

Ambient Conditions

Ambient temperature	-60 °C ... +40 °C (T6)
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Mechanical Data

Degree of protection (IP)	IP66
Degree of protection note	acc. to IEC/EN 60529
Enclosure material	Polyester resin, Glass fibre reinforced
Silicone-free	No
AWG clamping range	AWG14
Cover fixing type	With captive screws, M4 stainless steel screws
Seal	Silicone, foamed

Mounting / installation	Cable entry	
	Standard:	1 x M25 x 1.5; cable glands 8161; side below (D); directly mounted into enclosure wall
	Special:	In side C (top) and/or D (bottom); 1 x M20 x 1.5; 1 x M25 x 1.5 Metal cable glands are possible; Mounting of metal cable glands in metal flange or via metal adapter plate
	Flange	
	Standard:	without flange
	Special:	with flange made of polyester resin or brass, can be mounted to sides C and D

Components

Installation position top	Pushbutton Black With silicone seal
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8040/1380X-01L03SA04-54C03SA70-12L03SA01 Art. No. 287000

Components


Built-in element top	Contact element NO/NO
No. poles on top built-in el.	2
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
No. poles on bot. built-in el.	1
Cable glands and entries	1 x M25 Ø 7 to 17 mm
Entry type	Standard 8161, moulded material

Accessories


Indicator lamp bezel

		Art. No.
BG054		
	Diameter 39 mm All colours Silicone-free: No	223123

Mushroom stay-put button, black


		Art. No.
BG012		
	Ø 39 mm Black Silicone-free: No	223700

Pushbutton



		Art. No.
BG001		
	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 colours 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

Control Devices







Control device system ConSig 8040 series





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	Size 3, without insert disc, 1-, 2- or 3-line label for actuators Ø 39	223568
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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
	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 Ø 39 BG006, BG009, BG010, BG012	257708
	8602C3-751 plastic/red for mushroom stay-put button with key lock/mushroom stay-put button Ø 39 BG006, BG009, BG010, BG012	257707

Special key

		Art. No.
	for tightening plastic locking nut	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.