



- 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

E4

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.

	IECEx / ATEX					
Zone	0	1	2	20	21	22
Installation in		•	•		•	•

Selection Table									
Product variant 2 pushbuttons									
Figure	Installation position top	Built-in element top	Installation position middle	Built-in element middle	Installation position bottom	Built-in element bottom	Product Type	Art. No.	Weight kg
	Pushbutton Green - "I"	Contact element NC/NO	–	–	Pushbutton Red - "0"	Contact element NC/NO	8040/1280X-01L13SA05-01L08SA05	130692 ▲	0.460
Product variant 3 pushbuttons									
Figure	Installation position top	Built-in element top	Installation position middle	Built-in element middle	Installation position bottom	Built-in element bottom	Product Type	Art. No.	Weight kg
	Pushbutton Green - "I"	Contact element NC/NO	Pushbutton Red - "0"	Contact element NC/NO	Pushbutton Green - "II"	Contact element NC/NO	8040/1380X-01L13SA05-01L08SA05-01L15SA05	130861	0.580
Product variant Key-operated switch									
Figure	Installation position top	Built-in element top	Installation position middle	Built-in element middle	Installation position bottom	Built-in element bottom	Product Type	Art. No.	Weight kg
	–	–	Key-operated switch Latching/latching	Contact element NO/NO	–	–	8040/1180X-08M03SA04	130822	0.450
	–	–	Key-operated switch Latching/latching	Contact element NC/NO	–	–	8040/1180X-08M01SA05	130902 ▲	0.450

Selection Table

LED illuminated pushbutton									
Figure	Installation position top	Built-in element top	Installation position middle	Built-in element middle	Installation position bottom	Built-in element bottom	Product Type	Art. No.	Weight kg
	–	–	LED illuminated pushbutton All colours	Contact element NO / LED / NC	–	–	8040/1180X-35C06SA45	130828 ▲	0.400
LED indicating lamp									
Figure	Installation position top	Built-in element top	Installation position middle	Built-in element middle	Installation position bottom	Built-in element bottom	Product Type	Art. No.	Weight kg
	–	–	Indicator lamp bezel All colours	LED indicator lamp	–	–	8040/1180X-54C06SXXX	130890 ▲	0.350
LED indicating lamp and 2 pushbuttons									
Figure	Installation position top	Built-in element top	Installation position middle	Built-in element middle	Installation position bottom	Built-in element bottom	Product Type	Art. No.	Weight kg
	Indicator lamp bezel All colours	LED indicator lamp	Pushbutton Green - "I"	Contact element NC/NO	Pushbutton Red - "0"	Contact element NC/NO	8040/1380X-54C06SA70-01L13SA05-01L08SA05	130900 ▲	0.640
LED indicating lamp and pushbutton									
Figure	Installation position top	Built-in element top	Installation position middle	Built-in element middle	Installation position bottom	Built-in element bottom	Product Type	Art. No.	Weight kg
	Indicator lamp bezel All colours	LED indicator lamp	–	–	Pushbutton Red - "0"	Contact element NC/NO	8040/1280X-54C06SA70-01L08SA05	130852	0.460
LED indicating lamp and twin pushbutton									
Figure	Installation position top	Built-in element top	Installation position middle	Built-in element middle	Installation position bottom	Built-in element bottom	Product Type	Art. No.	Weight kg
	Indicator lamp bezel All colours	LED indicator lamp	–	–	Twin pushbutton Red "0", green "I"	Contact element NC/NO	8040/1280X-54C06SXXX-23D01SA05	130898 ▲	0.540
LED indicating lamp, twin pushbutton and mushroom stay-put button									
Figure	Installation position top	Built-in element top	Installation position middle	Built-in element middle	Installation position bottom	Built-in element bottom	Product Type	Art. No.	Weight kg
	Indicator lamp bezel All colours	LED indicator lamp	Twin pushbutton Red "0", green "I"	Contact element NC/NO	EM-ST.mush. stay-p.but.w.k.lock	Contact element NC/NO	8040/1380X-54C06SA70-23D01SA05-09XXXSA05	130903	0.750
Mushroom pushbutton									
Figure	Installation position top	Built-in element top	Installation position middle	Built-in element middle	Installation position bottom	Built-in element bottom	Product Type	Art. No.	Weight kg
	–	–	Mushroom pushbutton Black - "I"	Contact element NC/NO	–	–	8040/1180X-03L24SA05	130813 ▲	0.400

Selection Table

Product variant Mushroom stay-put button									
Figure	Installation position top	Built-in element top	Installation position middle	Built-in element middle	Installation position bottom	Built-in element bottom	Product Type	Art. No.	Weight kg
	–	–	EM-STOP mushroom stay-put button 55 Red – (rotating arrow)	Contact element NC/NO	–	–	8040/1180X-15L07SA05	130816 ▲	0.400
	–	–	EM-STOP mushroom stay-put button Red – (rotating arrow)	Contact element NC/NO	–	–	8040/1180X-10L07SA05	130679 ▲	0.400
		–	EM-STOP mushroom stay-put button Red – (rotating arrow)	Contact element NC / NO / NC	–	–	8040/1180X-10L07SA08	130819 ▲	0.410
Product variant Mushroom stay-put button with key lock									
Figure	Installation position top	Built-in element top	Installation position middle	Built-in element middle	Installation position bottom	Built-in element bottom	Product Type	Art. No.	Weight kg
	–	–	EM-STOP mushroom stay-put button with key lock	Contact element NC/NO	–	–	8040/1180X-09XXXSA05	130665 ■	0.450
Product variant Pushbutton									
Figure	Installation position top	Built-in element top	Installation position middle	Built-in element middle	Installation position bottom	Built-in element bottom	Product Type	Art. No.	Weight kg
	–	–	Pushbutton Red "0", green "I"	Contact element NC/NO	–	–	8040/1180X-01L50SA05	130686 ▲	0.370
Product variant Selector switch with contact element 8082									
Figure	Installation position top	Built-in element top	Installation position middle	Built-in element middle	Installation position bottom	Built-in element bottom	Product Type	Art. No.	Weight kg
	–	–	Small handle Latching/latching	Contact element NC/NO	–	–	8040/1180X-26M01SA05	130834 ▲	0.420
	–	–	Small handle Latching/latching/latching	Contact element NO/NO	–	–	8040/1180X-26M03SA04	130837	0.420
Product variant Twin pushbutton									
Figure	Installation position top	Built-in element top	Installation position middle	Built-in element middle	Installation position bottom	Built-in element bottom	Product Type	Art. No.	Weight kg
	–	–	Twin pushbutton Red "0", green "I"	Contact element NC/NO	–	–	8040/1180X-23D01SA05	130825 ■	0.400

Technical Data

Explosion Protection

IECEx gas explosion protection	Ex db eb IIC T6 ... T5 Gb
IECEx dust explosion protection	Ex tb IIIC T80 °C / T95 °C Db

Technical Data

Explosion Protection

ATEX gas explosion protection II 2 G Ex db eb IIC T6 ... T5 Gb

ATEX dust explosion protection II 2 D Ex tb IIIC T80 °C / T95 °C Db

Certificates ATEX (PTB), Brazil (ULB), Canada (UL), China (NEPSI), EAC (ENDCE), IECEx (PTB), India (PESO), Korea (KGS), Taiwan (ITRI), USA (UL)

Notes 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)

Mechanical Data

Degree of protection (IP) IP66

Degree of protection note acc. to IEC/EN 60529

Enclosure material Polyester resin, Glass fibre reinforced

Seal Silicone, foamed

Silicone-free No

Cover fixing type With captive screws, M4 stainless steel screws

Connection cross-section max. 2.5 mm²

Notes Actuator and cable gland standard with silicone. Silicone-free on request only.

Components

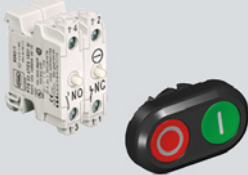
Flange and plates Without flange, without plates

Cable glands and entries 1 x M25 Ø 7 to 17 mm

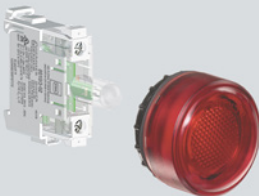
Entry type Standard 8161, moulded material

Technical Data – Components for Control Devices Series 8040

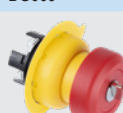
Version	Series 8008 Control switch			
	AC rated operational voltage	690 V		
	DC rated operational voltage	230 V		
	Utilisation category	AC-1	16 A	690 V
		AC-3	16 A	690 V (load disconnect switch 8008/2-6)
		AC-15	16 A	415 V
		DC-1	10 A	220 V (3 conducting paths in series)
Service temperature	T6 at 16 A: -60 ... +60 °C			

Version	Series 8082 Contact element for rail mounting			
	Rated operational voltage	max. 500 V		
	Ambient temperature	-60 °C ... +70 °C (T6)		
	Rated operating characteristics according to utilisation category	AC-12	10 A	250 V
			7.5 A	400 V
			5 A	550 V
	AC-15	10 A	110 V	
		6 A	250 V	
		4 A	400 V	
	DC-13	6 A	60 V	
	DC-13	2.5 A*	110 V	
		1 A*	230 V	
		* (two contact elements in series)		
Rated operational current	for gold contacts	10 to 150 mA		
	for silver-nickel contacts	> 150 mA		
	Note: For offshore and corrosive environments, we recommend using contact elements from Series 8208			

Version	Series 8405 Ammeter		
	Rated operational voltage	max. 500 V	
	Ambient temperature	-40 °C ... +40 °C (IIC T6)	
		-40 °C ... +55 °C (T5)	
		-40 °C ... +70 °C (T4)	
Accuracy	Class 2.5		

Version	Series 8010 Indicating lamp		
	Rated operational voltage	Ex e: 12 to 240 V, AC / DC (± 10 %) Ex i: 10.8 to 30 V DC	
	Rated operational current I ₀	Ex i: max. 15 mA	
	Rated operational power	max. 1 W	
	Frequency range	0 to 60 Hz	

Accessories

Figure	Description	Art. No.	Weight kg
Illuminated pushbutton (spring return) BG735			
	Ø 39 mm Black All colours Silicone-free: No	244655	0.035
Indicator lamp bezel BG054			
	Diameter 39 mm All colours Silicone-free: No	223123	0.024
Key-operated switch actuator BG008			
	Ø 39 mm Black Closing: MS1 Number of switching positions: 2 Switching function: Latching / Latching Silicone-free: No	244574	0.050
	Ø 39 mm Black Closing: MS1 Number of switching positions: 3 Switching function: Latching / Latching / Latching Silicone-free: No	244633	0.050
Mushroom pushbutton, black BG003			
	Ø 39 mm Black Designation plate: Black, blank disc without text Silicone-free: No	244564	0.050
Mushroom stay-put button 55 mm EM-STOP BG015			
	Ø 55 mm Yellow/red Designation plate: With yellow backing plate Silicone-free: No	244637	0.055
Mushroom stay-put button EM-STOP BG010			
	Ø 39 mm Yellow/red Designation plate: With yellow backing plate Silicone-free: No	223698	0.050
Mushroom stay-put button with EM-STOP key BG009			
	Ø 39 mm Yellow/red Designation plate: With yellow backing plate Closing: MS1 Silicone-free: No	223694	0.075

Accessories			
Figure	Description	Art. No.	Weight kg
Pushbutton BG001			
	Ø 39 mm Black Designation plate: Black, blank disc without text Silicone-free: No	223692 ▲	0.034
Small rotary actuator, not lockable BG726			
	Ø 39 mm Black Designation plate: 0/OFF – I/ON Number of switching positions: 2 Lockable in: Not padlockable Switching function: Latching / Latching Silicone-free: No	244647	0.040
	Ø 39 mm Black Designation plate: I – 0 – II Number of switching positions: 3 Lockable in: Not padlockable Switching function: Latching / Latching / Latching Silicone-free: No	244649	0.040
Spare key			
	Closing MS1	107109 ▲	0.008
Twin pushbutton BG023			
	Black Silicone-free: No	244639	0.045

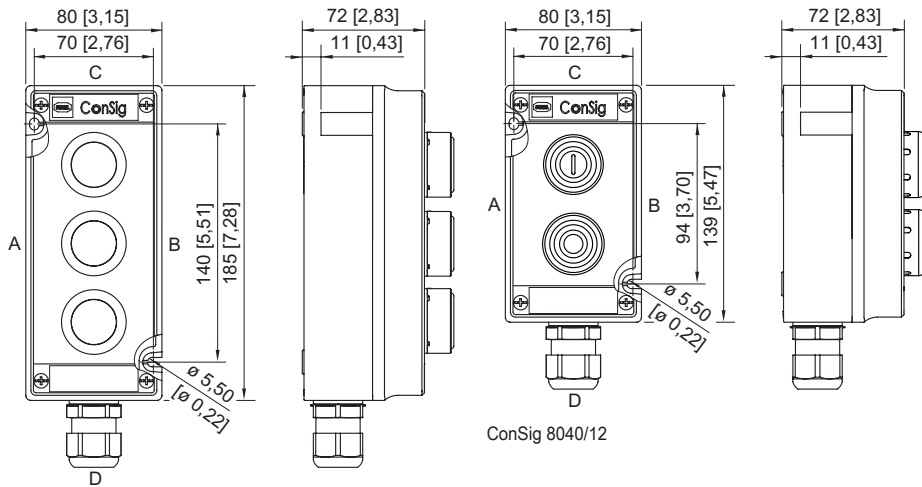
Spare Parts			
Figure	Description	Art. No.	Weight kg
Caps for BG054			
	for indicator lamp, all colours packaged	248685 ■	0.003
Colour filter for BG 735			
	for illuminated pushbutton, all colours packaged	248684 ■	0.001
Label holder			
	Size 1, without insert disc, 1-line label for actuators Ø 39	223566	0.002

Spare Parts

Figure	Description	Art. No.	Weight kg
Label holder			
	Size 2, without insert disc, 1- or 2-line label for actuators Ø 39	223567 ■	0.002
	Size 3, without insert disc, 1-, 2- or 3-line label for actuators Ø 39	223568 ■	0.002
Locking devices			
	8602C3-752 for actuated mushroom stay-put button BG010, BG012	244869	0.090
	8602C3-753 for not actuated pushbutton BG001	244870	0.090
	8602C3-758 for not actuated mushroom stay-put button BG010, BG012	244874	0.090
	8602C3-756 for actuated mushroom stay-put button BG010, BG012	244873	0.090
	8602C3-755 for not actuated pushbutton BG001	244872	0.090
	8602C3-754 for actuated pushbutton BG001	244871	0.090
Protective collar			
	8602C3-751 plastic/red for mushroom stay-put button with key lock/mushroom stay-put button Ø 39 BG006, BG009, BG010, BG012	257707	0.020
	8602C3-751 plastic/yellow for mushroom stay-put button with key lock/mushroom stay-put button Ø 39 BG006, BG009, BG010, BG012	257708 ■	0.020
Special key			
	for tightening plastic locking nut	169101 ■	0.030

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

E4



ConSig 8040/13

