



- 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	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	-60 °C ... +40 °C (T6)
Ambient temperature	-76 °F ... +104 °F (T6)

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 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	778 g
Weight	1.72 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	Indicator lamp bezel, Green, With silicone seal
Built-in element top	LED indicator lamp
Installation position middle	Pushbutton, Green – "START", With silicone seal
Built-in element middle	Contact element NC/NO
Installation position bottom	Pushbutton, Red - "STOP", With silicone seal
Built-in element bottom	Contact element NC/NO
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.

Control Devices


Control device system ConSig 8040 series

STAHL

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	Diameter 39 mm All colours Silicone-free: No	223123
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Pushbutton BG001




	Ø 39 mm Black Designation plate: Black, blank disc without text Silicone-free: No	Art. No. 223692
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Spare Parts




Caps for BG054

	for indicator lamp, all colours packaged	Art. No. 248685
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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	Art. No. 223567
	Size 3, without insert disc, 1-, 2- or 3-line label for actuators Ø 39	Art. No. 223568

Locking devices

	8602C3-753 for not actuated pushbutton BG001	Art. No. 244870
	8602C3-754 for actuated pushbutton BG001	Art. No. 244871
	8602C3-755 for not actuated pushbutton BG001	Art. No. 244872

Control Devices

Control device system ConSig 8040 series



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Special key

Art. No.



for tightening plastic locking nut

169101

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