

8040/1180X-35C06SA45 Art. No. 130828



- 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	250 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	400 g
Weight	0.88 lb

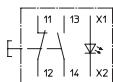
Mounting / Installation

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

Components

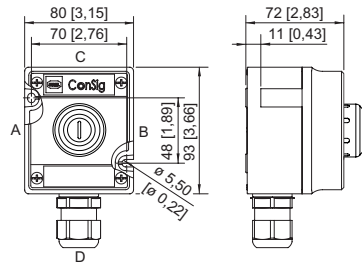
Installation position middle	LED illuminated pushbutton, All colours
Built-in element middle	Contact element NO / LED / NC
Flange and plates	Without flange, without plates
Cable glands and entries	1 x M25 Ø 7 ... 17 mm
Entry type	Standard 8161, moulded material
Entry 1	1 x 8161/7-M25-1707-LT
Entry 1 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



8040/1180X-35C06SA45 Art. No. 130828

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



ConSig 8040/11

Accessories

Illuminated pushbutton (spring return)

BG735		Art. No.
	Ø 39 mm Black Front panel mounting All colours Silicone-free: No	244655

Spare Parts

Colour filter for BG 735

		Art. No.
	for illuminated pushbutton, all colours packaged	248684

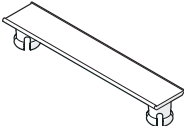
Designation plates set for BG001, BG023

		Art. No.
	The button label set contains nine labels 6x blank disc without text in red, green, white, blue, yellow and black 1x red label, text: STOP 1x green label, text: START 1x blue label, text: RESET	321791

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

8040/1180X-35C06SA45 Art. No. 130828

Special key		Art. No.
	for tightening plastic locking nut	169101
Tag label		Art. No.
	plain for attaching to enclosure 8040; moulded material; with paper insert strip	130673

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.