

Control and signalling devices

Control device system Series ConSig 8040

STAHL

ConSig

8040/1180X-03L24SA05 Art. No. 130813



- 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 certificate | PTB 01 ATEX 1105 |
| IECEX gas explosion protection | Ex db eb IIC T6 / T5 Gb |
| IECEX dust certificate | IECEX PTB 06.0025 |
| IECEX dust explosion protection | Ex tb IIIC T80 °C / T95 °C Db |
| ATEX gas certificate | PTB 01 ATEX 1105 |
| ATEX gas certificate | PTB 01 ATEX 1105 |
| ATEX gas explosion protection | ⊕ II 2 G Ex db eb IIC T6 / T5 Gb |
| ATEX dust certificate | PTB 01 ATEX 1105 |
| ATEX dust explosion protection | ⊕ 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 | DNVGL |
| Declaration of conformity | ATEX (EUK), China (CCC) |
| Explosion protection note | Product label may vary. Series devices are labelled with 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) |
| Ambient temperature | -76 °F ... 104 ... +104 °F (T6) -76 °F ... +131 °F (T5) |

Mechanical Data

| | |
|-------------------------------------|------|
| IP degree of protection (IEC 60529) | IP66 |
|-------------------------------------|------|

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Mechanical Data

| | |
|--|--|
| Enclosure material | Polyester resin, Glass fibre reinforced |
| Enclosure colour | Dark grey |
| Silicone-free | No |
| Clamping range AWG | 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 ... 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 | 93 mm |
| Height in inches | 3.66 in |
| Depth | 72 mm |
| Depth in inches | 2.76 in |
| Seal | Silicone, foamed |
| Weight | 400 g |
| Weight | 0.88 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

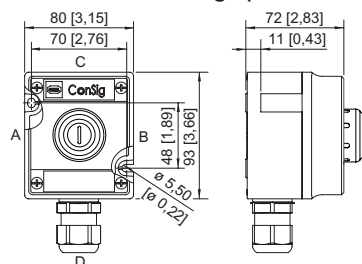
| | |
|------------------------------|----------------------------------|
| Installation position middle | Mushroom pushbutton, Black - "I" |
| Built-in element middle | Contact element NC/NO |
| Flange and plates | Without flange, without plates |
| Cable glands and entries | 1 x M25 Ø 7 ... 17 mm |
| 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



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



ConSig 8040/11

Accessories

**Mushroom pushbutton, black
BG003**



Ø 39 mm
Black
Designation plate: Black, blank disc without text
Front panel mounting
Silicone-free: No

Art. No.

244564

Spare Parts

Designation plates set for BG001, BG023



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

Art. No.

321791

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

223567



Size 3, without insert disc, 1-, 2- or 3-line label
for actuators Ø 39

223568

Special key



for tightening plastic locking nut

Art. No.

169101

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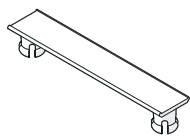
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Tag label

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.