

Control and signalling devices

Control device system ConSig 8040 series



ConSig

8040/1380X-54C03SA70-01L13SA05-01L08SA05 Art. No. 130702



- 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

| | |
|---------------------------------|---|
| Scope of validity | 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 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 are labelled with ATEX and IECEX. |

Electrical Data

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

Ambient Conditions

| | |
|---------------------|-------------------------|
| Ambient temperature | -60 °C ... +60 °C (T6) |
| Ambient temperature | -76 °F ... +140 °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 | 680 g |
| Weight | 1.5 lb |

Mounting / Installation

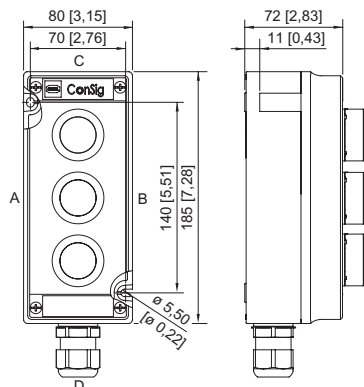
| | |
|---|-------------|
| Tightening torque of cover screw 1 | 1.4 Nm |
| Tightening torque of cover screw 1 lbf in | 12.4 lbf in |

Components

| | |
|------------------------------|---------------------------------|
| Installation position top | Indicator lamp bezel, Clear |
| Built-in element top | LED indicator lamp |
| Installation position middle | Pushbutton, Green - "I" |
| Built-in element middle | Contact element NC/NO |
| Installation position bottom | Pushbutton, Red - "0" |
| Built-in element bottom | Contact element NC/NO |
| Flange and plates | Without flange, without plates |
| 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 |

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



ConSig 8040/13

Accessories

Indicator lamp bezel



| | Art. No. |
|-------|----------|
| White | 223129 |

Indicator lamp bezel BG054



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

Pushbutton BG001



| | Art. No. |
|--|----------|
| 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 |

Contact element Series 8082





| | Art. No. |
|----|----------|
| NC | 132636 |
| NO | 132640 |

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Designation plate for pushbutton and selector switch

Art. No.

| | | |
|--|------------------|--------|
|  | Green Text: I | 227750 |
|  | Red Text: O | 227740 |


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 |




LED indicator lamp Ex de

Art. No.

| | | |
|--|--------------------|--------|
|  | 12 to 240 V, white | 237971 |
|--|--------------------|--------|

Locking devices

Art. No.

| | | |
|--|---|--------|
|  | 8602C3-753 for not actuated pushbutton BG001 | 244870 |
|  | 8602C3-754 for actuated pushbutton BG001 | 244871 |
|  | 8602C3-755 for not actuated pushbutton BG001 | 244872 |

Ring nut

Art. No.


| | | |
|--|----------------------------|--------|
|  | for mounting the actuators | 205592 |
|--|----------------------------|--------|

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| Special key | | Art. No. |
|--|------------------------------------|----------|
|  | for tightening plastic locking nut | 169101 |

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