

Control and signalling devices

Control device system Series ConSig 8040



ConSig

8040/1180X-08M01SA05 Art. No. 130902



- 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 |
| 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 | ⊕ 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 | |
| AC rated operational voltage | 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 °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 |
| Silicone-free | No |

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Mechanical Data

| | |
|--|--|
| 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 | 450 g |

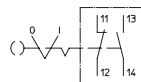
Mounting / Installation

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

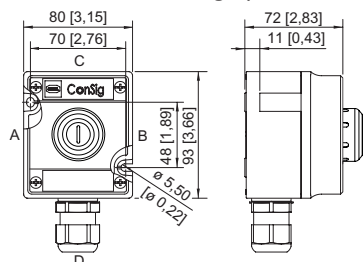
Components

| | |
|------------------------------|--|
| Installation position middle | Key-operated switch, Latching/latching |
| 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



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




ConSig 8040/11

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Accessories

Key-operated switch actuator BG008


| | | Art. No. |
|--|--|----------|
|  | Ø 39 mm Black Closing: MS1 Number of switching positions: 2 Front panel mounting Switching function: Latching / Latching Silicone-free: No | 244574 |

Spare Parts


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 |

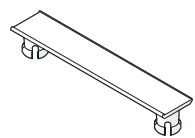
Spare key

| | | Art. No. |
|--|-------------|----------|
|  | Closing MS1 | 107109 |

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.