

# Control and signalling devices

## Control device system Series ConSig 8040



ConSig

8040/1380X-54C01SA70-01L13SA05-01L08SA05 Art. No. 130697



- 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<br>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          | PTB 01 ATEX 1105  |
| 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), ATEX (Simple apparatus), China (CCC)  |
| Explosion protection note       | Product label may vary. Series devices are labelled with ATEX and IECEX.  |

#### Electrical Data

|                              |           |
|------------------------------|-----------|
| AC rated operational voltage | 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 (IEC 60529) | IP66                                    |
| Enclosure material                  | Polyester resin, Glass fibre reinforced |
| Enclosure colour                    | Dark grey                               |
| Silicone-free                       | No                                      |
| Connection cross-section max.       | 2.5 mm <sup>2</sup>                     |

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### Mechanical Data

|  |  |
|--|--|
| Solid connection cross section               | 0.32 – 2.5 mm <sup>2</sup>                     |
| Connection cross-section AWG single stranded | 22 AWG ... 14 AWG                              |
| Finely stranded connection cross section     | 0.32 – 2.5 mm <sup>2</sup>                     |
| 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 in inches                             | 7.28 in  |
| Depth  | 72 mm  |
| Depth in inches                              | 2.76 in  |
| Seal   | Silicone, foamed                               |
| Weight                                       | 680 g  |

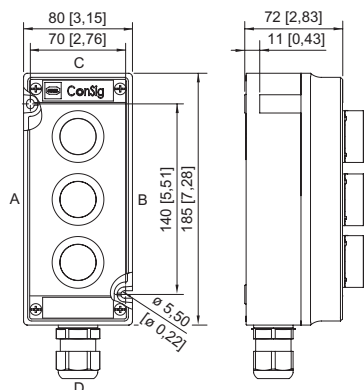
### Mounting / Installation

|   |             |
|---|-------------|
| 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 top    | Indicator lamp bezel, Red       |
| 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 clamping range       | 7 – 17 mm                       |
| Entry 1 clamping range, inch | 0.28 – 0.67 in                  |
| Metal entry possible 1       | No                              |

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




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## Accessories


### Indicator lamp bezel BG054

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

### Locking devices

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

### Pushbutton BG001




|  |  | Art. No. |
|--|--|----------|
|  | Ø 39 mm<br>Black<br>Designation plate: Black, blank disc without text<br>Front panel mounting<br>Silicone-free: No | 223692   |

## Spare Parts

### Caps for BG054

|  |  | Art. No. |
|--|--|----------|
|  | for indicator lamp, all colours packaged | 248685   |

### Label holder

|  |   | Art. No. |
|--|---|----------|
|  | Size 1, without insert disc, 1-line label<br>for actuators Ø 39           | 223566   |
|  | Size 2, without insert disc, 1- or 2-line label<br>for actuators Ø 39     | 223567   |
|  | Size 3, without insert disc, 1-, 2- or 3-line label<br>for actuators Ø 39 | 223568   |


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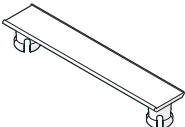


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### Special key

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

### Tag label

|  |  | Art. No. |
|--|--|----------|
|  | plain<br>for attaching to enclosure 8040; moulded material;<br>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.