



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

### Ambient Conditions

|                     |   |
|---------------------|---|
| Ambient temperature | -60 °C ... 40 °C (T6)<br>-60 °C ... 55 °C (T5)    |
| Ambient temperature | -76 °F ... 104 °F (T6)<br>-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                               |

# Control and signalling devices

## Control device system Series ConSig 8040



8040/1380X-54C06SA70-23D01SA05-09XXXSA05 Art. No. 130903

### Mechanical Data

|  |  |
|--|--|
| Silicone-free                                | No   |
| Connection cross-section max.                | 2.5 mm <sup>2</sup>                            |
| 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                                       | 750 g  |

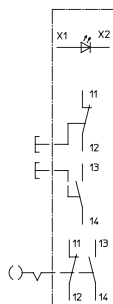
### Mounting / Installation

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

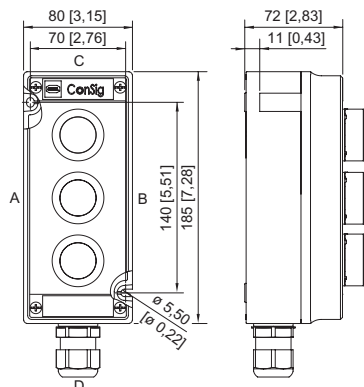
### Components

|                              |                                     |
|------------------------------|-------------------------------------|
| Installation position top    | Indicator lamp bezel, All colours   |
| Built-in element top         | LED indicator lamp                  |
| Installation position middle | Twin pushbutton, Red "0", green "I" |
| Built-in element middle      | Contact element NC/NO               |
| Installation position bottom | EM-ST.mush.stay-p.but.w.k.lock      |
| 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                                  |

### Technical Drawings – Subject to Alterations



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



ConSig 8040/13

**Accessories**

**Indicator lamp bezel**

|              |  | <b>Art. No.</b> |
|--------------|--|-----------------|
| <b>BG054</b> |  |                 |
|              | Diameter 39 mm<br>All colours<br>Silicone-free: No | 223123          |

**Mushroom stay-put button with key lock, EM-STOP**

|              |  | <b>Art. No.</b> |
|--------------|--|-----------------|
| <b>BG009</b> |  |                 |
|              | Ø 39 mm<br>Yellow/red<br>Designation plate: With yellow backing plate<br>Closing: MS1<br>Front panel mounting<br>Silicone-free: No | 223694          |

**Twin pushbutton**

|              |  | <b>Art. No.</b> |
|--------------|--|-----------------|
| <b>BG023</b> |  |                 |
|              | Black<br>Front panel mounting<br>Silicone-free: No | 244639          |

**Spare Parts**

**Caps for BG054**

|  |  | <b>Art. No.</b> |
|--|--|-----------------|
|  | for indicator lamp, all colours packaged | 248685          |

**Designation plates set for BG001, BG023**






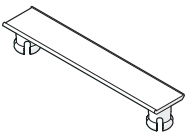
|  |   | <b>Art. No.</b> |
|--|---|-----------------|
|  | The button label set contains nine labels<br>6x blank disc without text in red, green, white, blue, yellow and black<br>1x red label, text: STOP<br>1x green label, text: START<br>1x blue label, text: RESET | 321791          |

# Control and signalling devices

## Control device system Series ConSig 8040



8040/1380X-54C06SA70-23D01SA05-09XXXSA05 Art. No. 130903

| 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   |
| Spare key  |  | Art. No. |
|   | Closing MS1  | 107109   |
| 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.