

# Control Devices

## Control device system ConSig 8040 series



ConSig

8040/1118X-09XXXSA05 Art. No. 282440



- Flexible: Modular structure and 3 sizes enable customer-specific versions
- Lightweight enclosure made from glass fibre reinforced polyester resin (GRP), suitable for shipping industry and offshore

MY R. STAHL 8040B



With the R. STAHL Series 8040 control device system, you can get a clear overview of the control devices. The 3 combinable design sizes and the modular structure offer flexibility. You can choose from one standard version and customised variants.

### Technical Data

#### Explosion Protection

|                                 |                                                                                                                       |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Scope of validity               | European Union (ATEX)<br>IECEX                                                                                        |
| Application range (zones)       | 1<br>2<br>21<br>22                                                                                                    |
| IECEX gas certificate           | IECEX PTB 06.0025                                                                                                     |
| 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 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 have certification according to 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)<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) | IP66 |
|---------------------------|------|

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### Mechanical Data

|                                              |                                                |
|----------------------------------------------|------------------------------------------------|
| Degree of protection IP (IEC 60529)          | IP66                                           |
| 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 <sup>2</sup>                            |
| Solid connection cross section               | 0.32 – 2.5 mm <sup>2</sup>                     |
| Connection cross-section AWG single stranded | 22 AWG to 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                                       | 93 mm                                          |
| Height, inches                               | 3.66 in                                        |
| Depth                                        | 72 mm                                          |
| Depth, inches                                | 2.76 in                                        |
| Seal                                         | Silicone, foamed                               |
| Weight                                       | 396 g                                          |
| Weight                                       | 0.87 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 | EM-STOP mushroom stay-put button with key lock |
| Built-in element middle      | Contact element NC/NO                          |
| Flange and plates            | Metal plate, bottom                            |
| Entry 1                      | 1 x Through hole<br>without cable entry        |
| Entry 1 type                 | Through hole                                   |
| Entry 1                      | Ø 20 mm                                        |

## Accessories

### Mushroom stay-put button with EM-STOP key

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


# Control Devices

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## Spare key



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

## 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   |

### Protective collar

|                                                                                    |                                                                                                                                     | Art. No. |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|----------|
|  | 8602C3-751 plastic/yellow for mushroom stay-put button with key lock/mushroom stay-put button dia. 39<br>BG006, BG009, BG010, BG012 | 257708   |
|  | 8602C3-751 plastic/red for mushroom stay-put button with key lock/mushroom stay-put button dia. 39<br>BG006, BG009, BG010, BG012    | 257707   |

### Special key

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

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.