



- 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 | 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 have certification according to 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

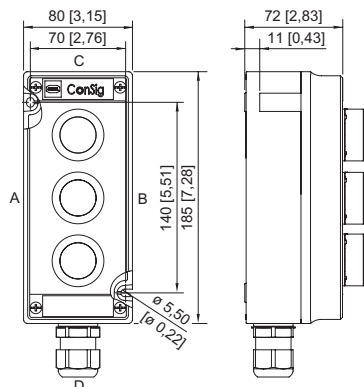
| | |
|---|-------------|
| Tightening torque of cover screw 1 | 1.4 Nm |
| Tightening torque of cover screw 1 lbf in | 12.4 lbf in |

Components

| | |
|------------------------------|---------------------------------|
| Installation position top | Indicator lamp bezel, 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 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. |
|------------------|--|----------|
| BG054 | Diameter 39 mm All colours Silicone-free: No | 223123 |

Pushbutton

| | | Art. No. |
|------------------|--|----------|
| BG001 | 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 |

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 |

Control Devices




Control device system ConSig 8040 series



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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 |

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.