



- 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 |
| 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), 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 | 250 V |
| 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 |
| Enclosure material | Polyester resin, Glass fibre reinforced |
| Enclosure colour | Dark grey |

8040/1170X-54C02SA70 Art. No. 130744

Mechanical Data

| | |
|--|--|
| 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 | 93 mm |
| Height, inches | 3.66 in |
| Depth | 72 mm |
| Depth, inches | 2.76 in |
| Seal | Silicone, foamed |
| Weight | 2.06 kg |
| Weight | 4.55 lb |

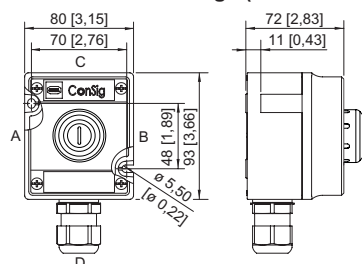
Mounting / Installation

| | |
|---|-------------|
| 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 | Indicator lamp bezel, Green |
| Built-in element middle | LED indicator lamp |
| Flange and plates | Without flange, without plates |
| Entry type | Standard 8161, moulded material |
| Entry 1 | 1 x 8161/7-M20-1304-LT |
| Entry 1 type | Polyamide cable gland, black |
| Entry 1 | M20 x 1.5 |
| Entry 1 terminal area | 4 – 13 mm |
| Entry 1 clamping range, inch | 0.16 – 0.51 in |
| Metal entry possible 1 | No |

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




ConSig 8040/11

Accessories

8040/1170X-54C02SA70 Art. No. 130744

Indicator lamp bezel




| | | Art. No. |
|--|--|----------|
| BG054  | Diameter 39 mm All colours Silicone-free: No | 223123 |

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 |

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.