

Control and signalling devices

Control device system Series ConSig 8040

STAHL

ConSig

8040/1180X-35C06SA45 Art. No. 130828



- 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 European Union (ATEX) |
| Application range (zones) | 1, 2, 21, 22 |
| IECEX gas certificate | IECEX PTB 06.0025 |
| IECEX gas certificate | PTB 01 ATEX 1105 |
| 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 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

| | |
|------------------------------|-----------|
| Rated operational voltage AC | 250 V |
| Rated operational current | 10 A (T6) |

Ambient Conditions

| | |
|---------------------|------------------------------------------------------------|
| Ambient temperature | -60 °C ... 40 °C (T6) -60 °C ... 55 °C (T5) |
| Ambient temperature | -76 °F ... 104 ... +104 °F (T6) -76 °F ... +131 °F (T5) |

Mechanical Data

| | |
|-------------------------------------|------|
| IP degree of protection (IEC 60529) | IP66 |
|-------------------------------------|------|

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Mechanical Data

| | |
|----------------------------------------------|------------------------------------------------|
| Enclosure material | Polyester resin, Glass fibre reinforced |
| Enclosure colour | Dark grey |
| Silicone-free | No |
| Clamping range AWG | 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 ... 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 in inches | 3.66 in |
| Depth | 72 mm |
| Depth in inches | 2.76 in |
| Seal | Silicone, foamed |
| Weight | 400 g |
| Weight | 0.88 lb |

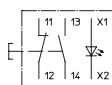
Mounting / Installation

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

Components

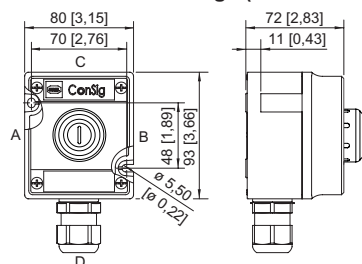
| | |
|------------------------------|-----------------------------------------|
| Installation position middle | LED illuminated pushbutton, All colours |
| Built-in element middle | Contact element NO / LED / NC |
| Flange and plates | Without flange, without plates |
| Cable glands and entries | 1 x M25 Ø 7 ... 17 mm |
| 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



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



ConSig 8040/11


Accessories

Illuminated pushbutton (spring return)
BG735


| | Art. No. |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
|  <p>Ø 39 mm Black Front panel mounting All colours Silicone-free: No</p> | 244655 |

Spare Parts




Colour filter for BG 735

| | Art. No. |
|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
|  <p>for illuminated pushbutton, all colours packaged</p> | 248684 |

Designation plates set for BG001, BG023

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

Label holder

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

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Special key

Art. No.

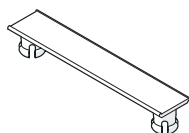


for tightening plastic locking nut

169101

Tag label

Art. No.



plain
for attaching to enclosure 8040; moulded material;
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.