

Control Devices

Control device system ConSig 8040 series



ConSig

8040/1170X-01L03SA02 Art. No. 263131



- 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

WebCode 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 | DNV GL |

Electrical Data

| | |
|------------------------------|-------|
| Rated operational voltage AC | 550 V |
|------------------------------|-------|

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| | | | | |
|-----------------------------|---|---|----------------------|----------------------|
| Power dissipation | Vertical installation | | | |
| | Maximum surface temperature | Maximum permissible integrated power dissipation depending on the ambient temperature | | |
| | | -60 °C ≤ Ta ≤ +50 °C | -60 °C ≤ Ta ≤ +60 °C | -60 °C ≤ Ta ≤ +75 °C |
| | 80 °C (T6) | 1.1 W ¹⁾ | 0.8 W ²⁾ | - |
| | 95 °C (T5) | 1.1 W ¹⁾ | 1.1 W ¹⁾ | 0.8 W ²⁾ |
| | 100 °C (T4) | 1.1 W ¹⁾ | 1.1 W ¹⁾ | 0.8 W ²⁾ |
| | | ¹⁾ 27 K - Max. temperature rise | | |
| | | ²⁾ 20 K - Max. temperature rise | | |
| | | ³⁾ 100 °C - Max. permissible service temperature (material limit) | | |
| | | Horizontal installation | | |
| Maximum surface temperature | Maximum permissible integrated power dissipation depending on the ambient temperature | | | |
| | -60 °C ≤ Ta ≤ +50 °C | -60 °C ≤ Ta ≤ +60 °C | -60 °C ≤ Ta ≤ +75 °C | |
| 80 °C (T6) | 1.1 W ¹⁾ | - | - | |
| 95 °C (T5) | 1.1 W ¹⁾ | 1.1 W ¹⁾ | - | |
| 100 °C (T4) | 1.1 W ¹⁾ | 1.1 W ¹⁾ | 0.8 W ²⁾ | |
| | ¹⁾ 30 K - Max. temperature rise | | | |
| | ²⁾ 23 K - Max. temperature rise | | | |
| | ³⁾ 100 °C - Max. permissible service temperature (material limit) | | | |

Ambient Conditions

| | |
|---------------------|------------------------|
| Ambient temperature | -60 °C ... +40 °C (T6) |
|---------------------|------------------------|

Mechanical Data

| | |
|-------------------------------|--|
| Degree of protection (IP) | IP66 |
| Degree of protection note | acc. to IEC/EN 60529 |
| Enclosure material | Polyester resin, Glass fibre reinforced |
| Silicone-free | No |
| AWG clamping range | AWG14 |
| Connection cross-section max. | 2.5 mm ² |
| Cover fixing type | With captive screws, M4 stainless steel screws |
| Seal | Silicone, foamed |

| | | |
|-------------------------|-------------|--|
| Mounting / installation | Cable entry | |
| | Standard: | 1 x M25 x 1.5; cable glands 8161; side below (D); directly mounted into enclosure wall |
| | Special: | In side C (top) and/or D (bottom); 1 x M20 x 1.5; 1 x M25 x 1.5 Metal cable glands are possible; Mounting of metal cable glands in metal flange or via metal adapter plate |
| | Flange | |
| | Standard: | without flange |
| | Special: | with flange made of polyester resin or brass, can be mounted to sides C and D |


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Components

| | |
|--------------------------------|-------------------------------------|
| Installation position middle | Pushbutton Black With silicone seal |
| Built-in element middle | Contact element NO |
| No. poles on cen. built-in el. | 1 |
| Flange and plates | Without flange, without plates |
| Cable glands and entries | 1 x M20 Ø4 ... 13 mm |
| Entry type | Standard 8161, moulded material |




Accessories

Pushbutton BG001




| | | Art. No. |
|--|--|----------|
|  | Ø 39 mm Black Designation plate: Black, blank disc without text Silicone-free: No | 223692 |

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 |

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 |

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Special key

Art. No.



for tightening plastic locking nut

169101

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