

Control Devices

Control device for panel mounting

Ex e

8003/131-001S Art. No. 269833



- Flexible configuration due to pushbutton, mushroom push-button, mushroom stay-put button, mushroom stay-put button with key lock, key-operated button, key-operated switch
- Easy assembly thanks to single-hole mounting
- Codable "latching", "spring return", "key not removable" functions
- Spring clamp terminals with connection chamber

MY R. STAHL 8003B



The switches and control buttons for R. STAHL series 8003 panel mounting devices have various switching functions in latching and spring return versions, which can be subsequently recoded, up to 6 A. They are completely certified, explosion-protected equipment with Ex e connection chambers. With the patented mounting mechanism, panel mounting with normal drilled holes of 30.5 mm is quick and easy.

The right actuators are available for a comprehensive range of applications.

Technical Data

Explosion Protection

| | |
|---------------------------------|--|
| Scope of validity | European Union (ATEX) IECEX CCC |
| Application range (zones) | 1 2 21 22 |
| IECEX gas certificate | IECEX PTB 06.0065X |
| IECEX gas explosion protection | Ex db eb IIC T6 Gb |
| IECEX dust certificate | IECEX PTB 06.0065X |
| IECEX dust explosion protection | Ex tb IIIC T80 °C Db |
| ATEX gas certificate | PTB 02 ATEX 1057 X |
| ATEX gas explosion protection | ⊕ II 2 G Ex db eb IIC T6 Gb |
| ATEX dust certificate | PTB 02 ATEX 1057 X |
| ATEX dust explosion protection | ⊕ II 2 D Ex tb IIIC T80 °C Db |
| Certificates | ATEX (PTB), IECEX (PTB), Korea (KGS) |
| Declaration of Conformity | ATEX (EUK), China (CCC), Declaration of Conformity (ATEX) |
| Notes | Product label may vary. Series devices have certification according to ATEX and IECEX. |

Electrical Data

| | |
|---|----------------------------|
| Rated operational voltage AC | 500 V |
| Rated operational current | 6 A |
| Switching capacity AC-12 | 500 V / 6 A / max. 3000 VA |
| Switching capacity AC-15 | 400 V / 6 A / max. 1250 VA |
| Switching capacity DC-13 | 110 V / 1 A / max. 110 W |
| Switching capacity DC-13<SoftReturn/>2 contact elements in series | 60 V/6 A |

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Ambient Conditions

| | |
|---------------------|--------------------|
| Ambient temperature | -55 °C ... +60 °C |
| Ambient temperature | -67 °F ... +140 °F |

Mechanical Data

| | |
|------------------------------|----------------------------------|
| Enclosure material | Polyamide |
| Contact material | Silver-nickel |
| Silicone-free | No |
| Number of NOs | 2 |
| Connection cross-section | 0.75 ... 1.5 mm ² |
| Connection cross-section AWG | 18 AWG ... 12 AWG |
| Depth of cut-out | 130 mm |
| Mounting depth, inches | 5.12 in |
| Service life, min. | 10 ⁵ operating cycles |
| Weight | 140 g |
| Weight | 0.31 lb |

Mounting / Installation

| | |
|--------------------------|--------------|
| Tightening torque | 3 Nm |
| Tightening torque lbf in | 26.55 lbf in |

Components

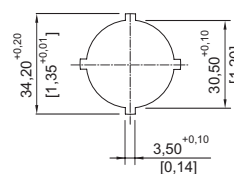
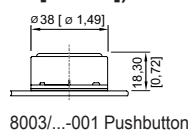
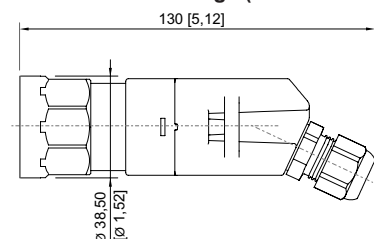
| | |
|--------------|------------------------------|
| Actuator | Pushbutton |
| Entry 1 | 8161/7-M16-0902 |
| Entry 1 type | Polyamide cable gland, black |

Technical Drawings – Subject to Alterations

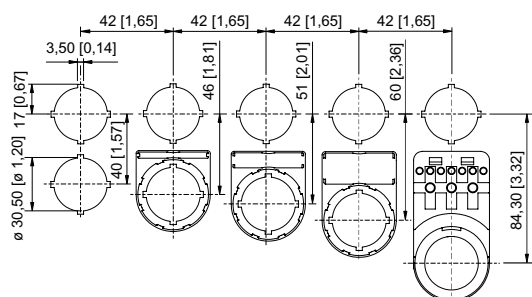


Schematic 8003/13.
NO

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



Cut-out details



Cut-out with/without additional designation plate

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Accessories


| Actuator | | Art. No. |
|--|------------|----------|
|  | Pushbutton | 155525 |

| Locking devices | | Art. No. |
|---|---|----------|
|  | 8602A0753 H24 for not actuated pushbutton/selector switch BG001, BG005 | 155372 |
|  | 8602A0754 for actuated pushbutton/selector switch BG001, BG005 | 155402 |
|  | 8602A0755 for not actuated pushbutton/selector switch BG001, BG005 | 155431 |

| Protective collar | | Art. No. |
|--|---|----------|
|  | 8602A0751 metal for pushbutton/selector switch/mushroom stay-put button with key lock/mushroom stay-put button/mushroom pushbutton dia. 39 BG001, BG003, BG005, BG008, BG009, BG010, BG012 | 155326 |

Spare Parts

| Label mount | | Art. No. |
|--|--|----------|
|  | Label mount, size 1, without symbol label Text: 1 line for actuators to fit Ø 30.5 mm holes | 155632 |
|  | Label mount, size 2, without symbol label Text: 1 or 2 lines for actuators to fit Ø 30.5 mm holes | 155687 |
|  | Label mount, size 3, without symbol label Text: 1, 2 or 3 lines for actuators to fit Ø 30.5 mm holes | 155844 |

| Symbol label for pushbutton and selector switch | | Art. No. |
|--|---|----------|
|  | Colour: blue Please specify text or symbol | 155910 |

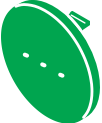











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STAHL

| | | |
|--|--|--------|
|  | Colour: green Please specify text or symbol | 155900 |
|  | Colour: white Text: START | 155889 |
|  | Colour: blue Text: RESET | 155894 |
|  | Colour: green Text: START | 155721 |
|  | Colour: black Text: Ab | 155886 |
|  | Colour: black Text: Auf | 155883 |
|  | Colour: black Symbol: Arrow | 155749 |
|  | Colour: black Symbol: Arrow | 155761 |
|  | Colour: black Text: Links | 155827 |
|  | Colour: black Text: Rechts | 155837 |
|  | Colour: black Text: Open | 155868 |
|  | Colour: black Text: CLOSE | 155878 |




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| | | |
|--|---------------------------|--------|
|  | Colour: black Text: Zu | 155874 |
|  | Colour: red Text: OFF | 155654 |
|  | Colour: green Text: ON | 155671 |

| Insert discs for label holder | | Art. No. |
|--|--|----------|
|  | One-line Plain Material: PVC Colour: White Self-adhesive | 238271 |

| Symbol label for pushbutton and selector switch | | Art. No. |
|--|--------------------------|----------|
|  | Colour: red Text: AUS | 155634 |

| Insert discs for label holder | | Art. No. |
|--|--|----------|
|  | Two-line Plain Material: PVC Colour: White Self-adhesive | 238272 |

| Symbol label for pushbutton and selector switch | | Art. No. |
|--|----------------------------|----------|
|  | Colour: black Text: AUS | 155806 |

| Insert discs for label holder | | Art. No. |
|--|--|----------|
|  | Three-line Plain Material: PVC Colour: White Self-adhesive | 238273 |

| Symbol label for pushbutton and selector switch | | Art. No. |
|--|----------------------------|----------|
|  | Colour: black Text: EIN | 155862 |

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| | | |
|--|-----------------------------|--------|
| | Colour: red Text: STOP | 155615 |
| | Colour: black Text: STOP | 155795 |

| Closing part | | Art. No. |
|--------------|---|----------|
| | 8602C3-733-B for closing unused holes in cover, dia. 30.5 mm, NBR | 244306 |
| | 8602C3-733-S for closing unused holes in cover, dia. 30.5 mm, silicone | 244307 |

| Symbol label for pushbutton and selector switch | | Art. No. |
|---|----------------------------|----------|
| | Colour: black Text: I | 155846 |
| | Colour: green Text: I | 155689 |
| | Colour: white Text: I | 155892 |
| | Colour: black Text: II | 155854 |
| | Colour: green Text: II | 155706 |
| | Colour: red Text: O | 155596 |
| | Colour: black Text: O | 155783 |
| | Colour: black Text: I O | 155771 |

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| | | |
|--|--|--------|
|  | Colour: blue Blank label without text | 155911 |
|  | Colour: yellow Blank label without text | 155914 |
|  | Colour: red Blank label without text | 155897 |
|  | Colour: green Blank label without text | 155901 |
|  | Colour: white Blank label without text | 155908 |
|  | Colour: black Blank label without text | 155905 |

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.