

# Control and signalling devices

## Control devices for panel mounting

Ex e

8003/133-001-6 UL Art. No. 213540



PanSiG



- Flexible configuration thanks to pushbutton, mushroom push-button, mushroom stay-put button, mushroom stay-put button with key lock, key-operated button and key-operated switch
- Easy to install using a single hole (D 30)
- Codable "latching", "spring return" and "key not removable" functions
- Plug-in connection with 6 m connection cable

MY R. STAHL 8003D



R. STAHL Series 8003 control buttons/switches for panel mounting switch load, control and signal circuits up to 6 A. Depending on the type, they are fully or incompletely explosion-protected equipment with corresponding requirements for installation. As an option, various actuators are available.

### Technical Data

#### Explosion Protection

|                                 |                                                                                         |
|---------------------------------|-----------------------------------------------------------------------------------------|
| Area of application             | European Union (ATEX)<br>CE Code<br>IECEX<br>NEC®                                       |
| 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), Canada (UL), China (CQST), IECEX (PTB), Korea (KGS), USA (UL)               |
| Declaration of conformity       | ATEX (EUK), ATEX (Simple apparatus), China (CCC), Declaration of Conformity (ATEX)      |
| Notes                           | Product label may vary. Series devices are labelled with ATEX, IECEX, NEC® and CE Code. |

#### 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                   |

#### Ambient Conditions

|                     |                   |
|---------------------|-------------------|
| Ambient temperature | -20 °C ... 60 °C  |
| Ambient temperature | -4 °F ... +140 °F |

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### Ambient Conditions

|                          |                    |
|--------------------------|--------------------|
| Ambient temperature NEC® | -30 °C ... +60 °C  |
| Ambient temperature NEC® | -22 °F ... +140 °F |

### Mechanical Data

|                                       |                                    |
|---------------------------------------|------------------------------------|
| Degree of protection (IP) (IEC 60529) | Reverse side IP65, front side IP66 |
| Enclosure material                    | Polyamide                          |
| Contact material                      | Silver-nickel                      |
| Silicone-free                         | Yes                                |
| Number of NOs                         | 2                                  |
| Conductor length                      | 6 m                                |
| Conductor length, inches              | 236.22 in                          |
| Connection cross-section              | 0.75 ... 1.5 mm <sup>2</sup>       |
| Connection cross-section AWG          | 20 AWG ... 14 AWG                  |
| Type of connection cable              | ÖLFLEX 4x1 mm <sup>2</sup>         |
| Depth of cut-out                      | 130 mm                             |
| Mounting depth in inches              | 5.12 in                            |
| Service life, min.                    | 10 <sup>5</sup> operating cycles   |
| Weight                                | 125 g                              |
| Weight                                | 0.28 lb                            |

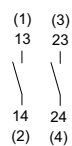
### Mounting / Installation

|                          |              |
|--------------------------|--------------|
| Tightening torque        | 3 N · m      |
| 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

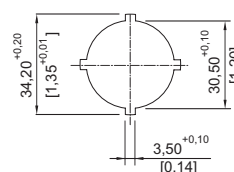
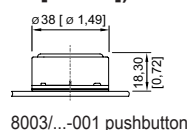
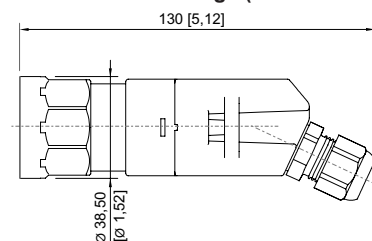


Schematic 8003/133

NO

The numbers in brackets correspond to the core marking

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



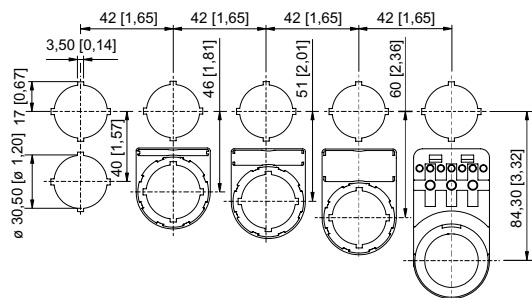
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Cut-out with/without additional designation plate

## Accessories

### Actuators



Pushbutton

Art. No.

155525

### Locking devices



8602A0754 for actuated pushbutton/selector switch  
BG001, BG005

Art. No.

155402



8602A0755 for not actuated pushbutton/selector switch  
BG001, BG005

155431

## Spare Parts

### Label holder



Label holder, size 1, without insert disc  
Labelling: 1-line  
can be installed in dia. 30.5 mm drilled holes for actuators

Art. No.

155632



Label holder, size 2, without insert disc  
Labelling: 1- or 2-line  
can be installed in dia. 30.5 mm drilled holes for actuators

155687

### Locking devices



8602A0753 H24 for not actuated pushbutton/selector switch  
BG001, BG005

Art. No.

155372


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8003/133-001-6 UL Art. No. 213540

| Label holder                                                                     |                                                                                                                                          | Art. No. |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|----------|
|  | Label holder, size 3, without insert disc<br>Labelling: 1-, 2- or 3-line<br>can be installed in dia. 30.5 mm drilled holes for actuators | 155844   |

| Designation plates for pushbuttons and selector switches                           |                              | Art. No. |
|------------------------------------------------------------------------------------|------------------------------|----------|
|    | Colour: White<br>Text: START | 155889   |
|    | Colour: Blue<br>Text: RESET  | 155894   |
|    | Colour: Green<br>Text: START | 155721   |
|  | Colour: Black<br>Text: Ab    | 155886   |
|  | Colour: Black<br>Text: Auf   | 155883   |

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

| Designation plates for pushbuttons and selector switches                           |                                | Art. No. |
|------------------------------------------------------------------------------------|--------------------------------|----------|
|  | Colour: Black<br>Symbol: Arrow | 155749   |
|  | Colour: Black<br>Symbol: Arrow | 155761   |
|  | Colour: Black<br>Text: Links   | 155827   |

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|                                                                                    |                               |        |
|------------------------------------------------------------------------------------|-------------------------------|--------|
|    | Colour: Black<br>Text: Rechts | 155837 |
|    | Colour: Black<br>Text: Open   | 155868 |
|    | Colour: Black<br>Text: CLOSE  | 155878 |
|    | Colour: Black<br>Text: Zu     | 155874 |
|   | Colour: Red<br>Text: OFF      | 155654 |
|  | Colour: Green<br>Text: ON     | 155671 |
|  | Colour: Red<br>Text: AUS      | 155634 |


### Insert discs for label holder

Art. No.

|                                                                                    |                                                                      |        |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------|--------|
|  | One-line<br>Plain<br>Material: PVC<br>Colour: White<br>Self-adhesive | 238271 |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------|--------|


### Designation plates for pushbuttons and selector switches

Art. No.

|                                                                                    |                            |        |
|------------------------------------------------------------------------------------|----------------------------|--------|
|  | Colour: Black<br>Text: AUS | 155806 |
|------------------------------------------------------------------------------------|----------------------------|--------|

### Insert discs for label holder

Art. No.

|                                                                                    |                                                                      |        |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------|--------|
|  | Two-line<br>Plain<br>Material: PVC<br>Colour: White<br>Self-adhesive | 238272 |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------|--------|

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Ex e

8003/133-001-6 UL Art. No. 213540


### Designation plates for pushbuttons and selector switches

Art. No.

|                                                                                  |                            |        |
|----------------------------------------------------------------------------------|----------------------------|--------|
|  | Colour: Black<br>Text: EIN | 155862 |
|----------------------------------------------------------------------------------|----------------------------|--------|

### Insert discs for label holder

Art. No.

|                                                                                  |                                                                        |        |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------|--------|
|  | Three-line<br>Plain<br>Material: PVC<br>Colour: White<br>Self-adhesive | 238273 |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------|--------|

### Designation plates for pushbuttons and selector switches

Art. No.

|                                                                                    |                             |        |
|------------------------------------------------------------------------------------|-----------------------------|--------|
|    | Colour: Black<br>Text: STOP | 155795 |
|   | Colour: Black<br>Text: I    | 155846 |
|  | Colour: Green<br>Text: I    | 155689 |
|  | Colour: White<br>Text: I    | 155892 |
|  | Colour: Black<br>Text: II   | 155854 |
|  | Colour: Green<br>Text: II   | 155706 |
|  | Colour: Red<br>Text: O      | 155596 |
|  | Colour: Black<br>Text: O    | 155783 |

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|                                                                                    |                                           |        |
|------------------------------------------------------------------------------------|-------------------------------------------|--------|
|    | Colour: Black<br>Text: I O                | 155771 |
|    | Colour: Blue<br>Blank disc without text   | 155911 |
|    | Colour: Yellow<br>Blank disc without text | 155914 |
|    | Colour: Red<br>Blank disc without text    | 155897 |
|   | Colour: Green<br>Blank disc without text  | 155901 |
|  | Colour: White<br>Blank disc without text  | 155908 |
|  | Colour: Black<br>Blank disc 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.