

# Control and signalling devices

## Control devices for panel mounting

Ex e

8003/121-015S Art. No. 269839



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
- Codable "latching", "spring return" and "key not removable" functions
- Spring clamp terminals with connection chamber

MY R. STAHL 8003B



R. STAHL Series 8003 switches and control buttons for panel mounting take on various switching functions in latching and spring return positions up to 6 A, which can be subsequently recoded. They are fully certified, explosion-protected equipment with an Ex e connection chamber. With the patented mounting mechanism, panel mounting with drilled holes or openings of 30.5 mm is quick and easy.

Compatible actuators are available for a comprehensive range of applications.

## Technical Data

### Explosion Protection

Area of application	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), China (CQST), IECEX (PTB), Korea (KGS)
Declaration of conformity	ATEX (EUK), China (CCC)
Notes	Product label may vary. Series devices are labelled with ATEX and IECEX.

### Electrical Data

AC rated operational voltage	500 V
Rated operational current	6 A
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 2 contact elements in series	60 V/6 A

### Ambient Conditions

Ambient temperature	-55 °C ... 60 °C
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Ambient temperature -67 °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 No

Number of NCs 2

Connection cross-section 0.75 ... 1.5 mm<sup>2</sup>

Connection cross-section AWG 18 AWG ... 12 AWG

Mounting depth 130 mm

Mounting depth in inches 5.12 in

Service life, min. 10<sup>5</sup> operating cycles

Weight 145 g

### Mounting / Installation

Tightening torque 3 N · m

Tightening torque lbf in 26.55 lbf in

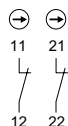
### Components

Actuator Mushroom stay-put button EM-STOP, 55 mm

Entry 1 8161/7-M16-0902

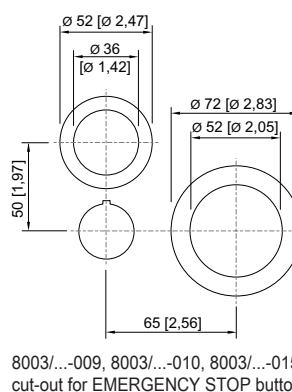
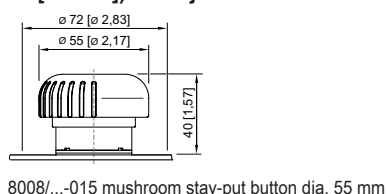
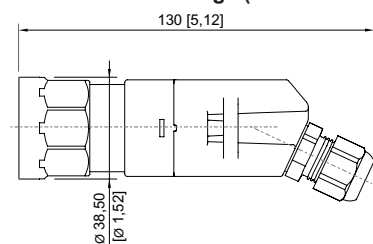
Entry 1 type Polyamide cable gland, black

### Technical Drawings – Subject to Alterations



Schematic 8003/12.  
Positive opening NC

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



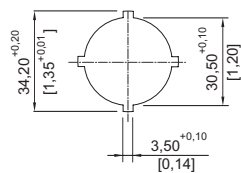
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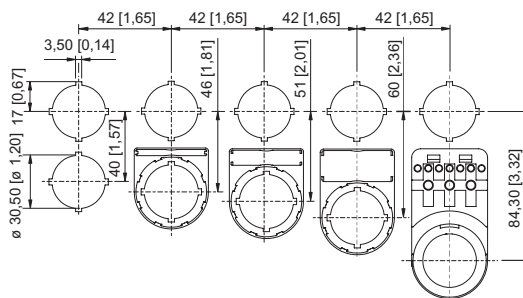


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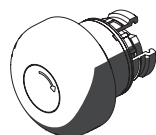
Punch pattern



Cut-out with/without additional designation plate

## Accessories

### Actuators



Mushroom stay-put button EM-STOP, dia. 55

Art. No.

261757

### Closing part



8602C3-733-B  
for closing unused holes in cover, dia. 30.5 mm, NBR

8602C3-733-S  
for closing unused holes in cover, dia. 30.5 mm, silicone

Art. No.

244306

244307

## Spare Parts

### Designation plates for pushbuttons and selector switches



Colour: Red  
Symbol: Arrow

Art. No.

155567

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.