

# Control and signalling devices

## Control devices for panel mounting

Ex e

8003/113-001-6 UL Art. No. 213516



- 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) CE Code IECEX 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 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 NCs	1
Number of NOs	1
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

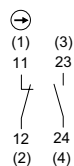
### Mounting / Installation

Tightening torque	3 N · m
Tightening torque lbf in	26.55 lbf in

### Components

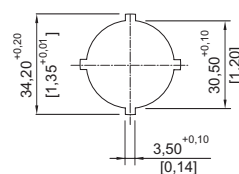
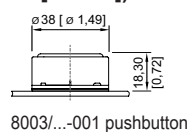
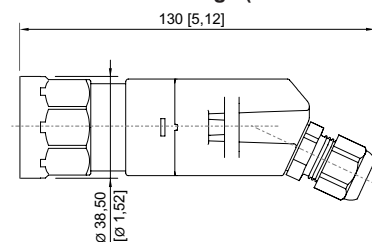
Actuator	Pushbutton
Entry 1	8161/7-M16-0902
Entry 1 type	Polyamide cable gland, black

### Technical Drawings – Subject to Alterations



Schematic 8003/113  
 NO/positive opening NC  
 The numbers in brackets correspond to the core marking

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

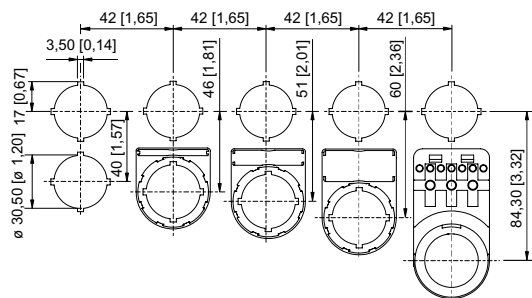


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Cut-out with/without additional designation plate

## 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

Art. No.

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

Art. No.

155687

### Locking devices



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

Art. No.

155372


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

Designation plates for pushbuttons and selector switches		Art. No.
	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

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

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

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

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

Designation plates for pushbuttons and selector switches		Art. No.
	Colour: Black Text: AUS	155806

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

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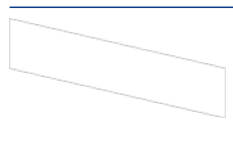
### Designation plates for pushbuttons and selector switches

Art. No.

	Colour: Black Text: EIN	155862
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### Insert discs for label holder

Art. No.

	Three-line Plain Material: PVC Colour: White Self-adhesive	238273
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### Designation plates for pushbuttons and selector switches

Art. No.

	Colour: Black Text: STOP	155795
	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

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