

Control Devices

Control device for panel mounting

Ex e

8003/111-727-2-r UL Art. No. 218567



- 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 8003A



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) CEC 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), 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 have certification according to 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

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Electrical Data

Switching capacity DC-13<SoftReturn/>2 contact elements in series	60 V/6 A
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Ambient Conditions

Ambient temperature	-20 °C ... +60 °C
Ambient temperature	-4 °F ... +140 °F
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 IP65
Enclosure material	Polyamide
Contact material	Silver-nickel
Silicone-free	Yes
Number of NCs	1
Number of NOs	1
Number of switching positions	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	125 g
Weight	0.28 lb

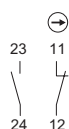
Mounting / Installation

Tightening torque	3 Nm
Tightening torque lbf in	26.55 lbf in

Components

Actuator	Rotary actuator, small Padlockable
Entry 1	8161/7-M16-0902
Entry 1 type	Polyamide cable gland, black

Technical Drawings – Subject to Alterations



Schematic 8003/11.
NO / NC positive opening

Control Devices

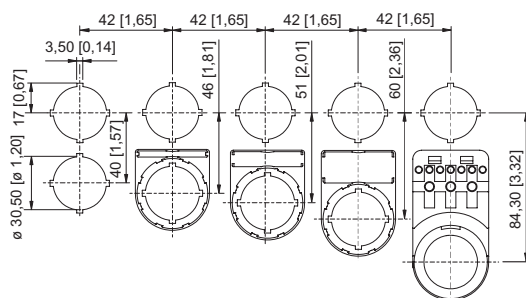
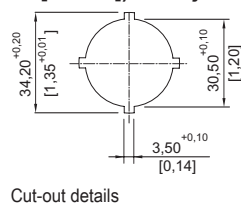
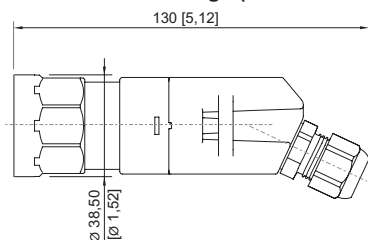
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Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



Cut-out with/without additional designation plate

Accessories

Actuator



Control switch, padlockable
2 positions:
0 = latching
1 = free codable
(all necessary coding elements are included)

Art. No.

155535

Spare Parts

Label mount



Label mount, size 1, without symbol label
Text: 1 line
for actuators to fit Ø 30.5 mm holes

Art. No.

155632



Label mount, size 2, without symbol label
Text: 1 or 2 lines
for actuators to fit Ø 30.5 mm holes

Art. No.

155687

Insert discs for label holder



One-line
Plain
Material: PVC
Colour: White
Self-adhesive

Art. No.

238271



Two-line
Plain
Material: PVC
Colour: White
Self-adhesive

Art. No.

238272



Three-line
Plain
Material: PVC
Colour: White
Self-adhesive

Art. No.

238273

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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

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.