



- Flexible configuration due to pushbutton, mushroom pushbutton, 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

WebCode **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.

	IECEx / ATEX					
Zone	0	1	2	20	21	22
Installation in		•	•		•	•

Selection Table						
Actuator Number of switching positions		Key-operated switch actuator With key actuator KMS1 2				
Figure	Number of NCs	Number of NOs	Contact material	Product Type	Art. No.	Weight
	1	1	Silver-nickel	8003/111-008-2-r-KMS1	269815	250 g
Actuator Number of switching positions		Key-operated switch actuator With key actuator MS1 2				
Figure	Number of NCs	Number of NOs	Contact material	Product Type	Art. No.	Weight
	1	1	Silver-nickel	8003/111-008-2-r-MS1	269812	222 g
	-	2	Silver-nickel	8003/131-008-2-r-MS1	269813	220 g
Actuator Number of switching positions		Key-operated switch actuator With key actuator MS2 2				
Figure	Number of NCs	Number of NOs	Contact material	Product Type	Art. No.	Weight
	1	1	Silver-nickel	8003/111-008-2-r-MS2	270051	223 g

**Selection Table**







Actuator		Key-operated switch actuator With key actuator MS3				
Number of switching positions		2				
Figure	Number of NCs	Number of NOs	Contact material	Product Type	Art. No.	Weight
	1	1	Silver-nickel	8003/111-008-2-r-MS3	270052	230 g
Actuator		Key-operated switch actuator With key actuator MS4				
Number of switching positions		2				
Figure	Number of NCs	Number of NOs	Contact material	Product Type	Art. No.	Weight
	1	1	Silver-nickel	8003/111-008-2-r-MS4	270053	230 g
Actuator		Mushroom pushbutton				
Figure	Number of NCs	Number of NOs	Contact material	Product Type	Art. No.	Weight
	1	1	Silver-nickel	8003/111-003	269811	196 g
Actuator		Mushroom stay-put button				
Figure	Number of NCs	Number of NOs	Contact material	Product Type	Art. No.	Weight
	1	1	Silver-nickel	8003/111-012S	269846	125 g
	2	–	Silver-nickel	8003/121-012S	269847	125 g
	–	2	Silver-nickel	8003/131-012S	269848	125 g
Actuator		Mushroom stay-put button EM-STOP				
Figure	Number of NCs	Number of NOs	Contact material	Product Type	Art. No.	Weight
	1	1	Silver-nickel	8003/111-010S	269835	125 g
	2	–	Silver-nickel	8003/121-010S	269836	125 g
	–	2	Silver-nickel	8003/131-010S	269837	125 g
Actuator		Mushroom stay-put button EM-STOP, 55 mm				
Figure	Number of NCs	Number of NOs	Contact material	Product Type	Art. No.	Weight
	1	1	Silver-nickel	8003/111-015S	269838	145 g
	2	–	Silver-nickel	8003/121-015S	269839	145 g
Actuator		Mushroom stay-put button With key actuator EM-STOP MS1				
Figure	Number of NCs	Number of NOs	Contact material	Product Type	Art. No.	Weight
	1	1	Silver-nickel	8003/111-009S-MS1	269834	140 g
Actuator		Pushbutton				
Figure	Number of NCs	Number of NOs	Contact material	Product Type	Art. No.	Weight
	1	1	Gold-plated	8003/111-001-AU	269817	125 g
		1	Silver-nickel	8003/111-001	269763	189 g
		1	Silver-nickel	8003/111-001S	269831	140 g
	2	–	Silver-nickel	8003/121-001	269766	140 g
		–	Silver-nickel	8003/121-001S	269832	140 g
	–	2	Silver-nickel	8003/131-001	269767	140 g
		2	Silver-nickel	8003/131-001S	269833	140 g

# Control Buttons / Switches for Panel Mounting

## Series 8003 Spring Clamp Terminals with Connection Chamber for ATEX / IECEx Applications

STAHL

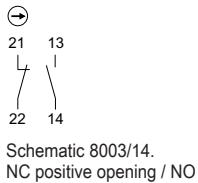
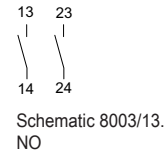
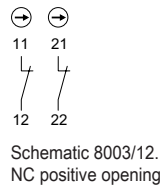
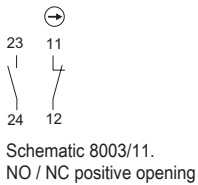
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Selection Table						
Actuator Number of switching positions		Rotary actuator, small Not padlockable 2				
Figure	Number of NCs	Number of NOs	Contact material	Product Type	Art. No.	Weight
	1	1	Silver-nickel	8003/111-726-2-r	269816	125 g
		1	Silver-nickel	8003/141-726-2-r	269829	190 g
	–	2	Silver-nickel	8003/131-726-2-r	269821	125 g
Actuator Number of switching positions		Rotary actuator, small Not padlockable 3				
Figure	Number of NCs	Number of NOs	Contact material	Product Type	Art. No.	Weight
	–	2	Silver-nickel	8003/131-726-3-rr	269822	125 g
		2	Silver-nickel	8003/131-726-3-tt	269823	125 g
Actuator Number of switching positions		Rotary actuator, small Padlockable 2				
Figure	Number of NCs	Number of NOs	Contact material	Product Type	Art. No.	Weight
	1	1	Silver-nickel	8003/111-727-2-r	269843	125 g
	–	2	Silver-nickel	8003/131-727-2-r	269824	125 g
Actuator Number of switching positions		Rotary actuator, small Padlockable 3				
Figure	Number of NCs	Number of NOs	Contact material	Product Type	Art. No.	Weight
	–	2	Silver-nickel	8003/131-727-3-rr	269825	196 g
Actuator Number of switching positions		Selector switch 2				
Figure	Number of NCs	Number of NOs	Contact material	Product Type	Art. No.	Weight
	1	1	Silver-nickel	8003/111-005	269768	125 g
Actuator note		Switching element only, please order actuator separately				
Figure	Number of NCs	Number of NOs	Contact material	Product Type	Art. No.	Weight
	1	1	Gold-plated	8003/111	271807	125 g
		1	Silver-nickel	8003/111	269769	162 g
		1	Gold-plated	8003/141	271810	150 g
	2	–	Gold-plated	8003/121	271808	150 g
		–	Silver-nickel	8003/121	269770	150 g
	–	2	Gold-plated	8003/131	271809	162 g
		2	Silver-nickel	8003/131	270892	150 g

- yellow label for EM- STOP function is enclosed
- plates must be ordered separately; see accessories
- key- operated switch with "spring- return" and/ or "key not removable" on request
- versions with other locking cylinders on request

Technical Data		
Variant	8003/1.1-...	8003/1.1-...S
<b>Explosion Protection</b>		
IECEx gas explosion protection	Ex db eb IIC T6 Gb	Ex db eb IIC T6 Gb
IECEx dust explosion protection	Ex tb IIIC T80 °C Db	Ex tb IIIC T80 °C Db
ATEX gas explosion protection	⊕ II 2 G Ex db eb IIC T6 Gb	⊕ II 2 G Ex db eb IIC T6 Gb
ATEX dust explosion protection	⊕ II 2 D Ex tb IIIC T80 °C Db	⊕ II 2 D Ex tb IIIC T80 °C Db
Certificates	ATEX (PTB), IECEx (PTB), Korea (KGS)	ATEX (PTB), IECEx (PTB), Korea (KGS)
Notes	Product label may vary. Series devices have certification according to ATEX and IECEx.	
<b>Electrical Data</b>		
Rated operational voltage AC	500 V	500 V
Rated operational current	6 A	6 A
Switching capacity AC-12	500 V / 6 A / max. 3000 VA	500 V / 6 A / max. 3000 VA
Switching capacity AC-15	400 V / 6 A / max. 1250 VA	400 V / 6 A / max. 1250 VA
Switching capacity DC-13	110 V / 1 A / max. 110 W	110 V / 1 A / max. 110 W
Switching capacity DC-13<SoftReturn/>2 contact elements in series	60 V/6 A	60 V/6 A
<b>Ambient Conditions</b>		
Ambient temperature	-20 °C ... +60 °C	-55 °C ... +60 °C
Ambient temperature	-4 °F ... +140 °F	-67 °F ... +140 °F
<b>Mechanical Data</b>		
IP degree of protection (IEC 60529)	Reverse side IP65, front side IP66	Reverse side IP65, front side IP66
Silicone-free	Yes	No
Connection cross-section	0.75 ... 1.5 mm <sup>2</sup>	0.75 ... 1.5 mm <sup>2</sup>
Connection cross-section AWG	18 AWG ... 12 AWG	18 AWG ... 12 AWG
Depth of cut-out	130 mm	130 mm
Mounting depth, inches	5.12 in	5.12 in
Service life, min.	10 <sup>5</sup> operating cycles	10 <sup>5</sup> operating cycles
<b>Mounting / Installation</b>		
Tightening torque	3 Nm	3 Nm
Tightening torque lbf in	26.55 lbf in	26.55 lbf in
<b>Components</b>		
Entry 1 type	Polyamide cable gland, black	Polyamide cable gland, black
Entry 1	8161/7-M16-0902	8161/7-M16-0902

### Technical Drawings – Subject to Alterations

















# Control Buttons / Switches for Panel Mounting

Series 8003 Spring Clamp Terminals with Connection Chamber  
for ATEX / IECEx Applications

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Accessories			
Figure	Description	Art. No.	Weight
<b>Actuator</b>			
	Control switch, not padlockable 2 positions: 0 = spring return I = spring return	155542	28 g
	Mushroom pushbuttons Ø 38 mm, black	155526	28 g
	Pushbutton	155525	23 g
	Mushroom stay-put button EM-STOP	261756	100 g
	Mushroom stay-put buttons Ø 38 mm, black	155541	30 g
	Mushroom stay-put button EM-STOP, Ø55	261757	100 g
<b>Locking devices</b>			
	8602A0753 H24 for not actuated pushbutton / selector switch BG001, BG005	155372	81 g
	8602A0754 for actuated pushbutton / selector switch BG001, BG005	155402	28 g
	8602A0755 for not actuated pushbutton / selector switch BG001, BG005	155431	34 g
<b>Protective collar</b>			
	8602A0751 metal for pushbutton / selector switch / mushroom stay-put button with key lock / mushroom stay-put button / mushroom pushbutton Ø 39 BG001, BG003, BG005, BG008, BG009, BG010, BG012	155326	77 g
<b>Spare key</b>			
	Closing MS1	107109	8 g
	Closing MS3	272646	8 g
	Closing MS4	272647	8 g












Spare Parts				
Figure	Description	Art. No.	Weight	
<b>Locking devices</b>				
	8602A0753 H24 for not actuated pushbutton / selector switch BG001, BG005	155372	81 g	
	8602A0755 for not actuated pushbutton / selector switch BG001, BG005	155431	34 g	
	8602A0754 for actuated pushbutton / selector switch BG001, BG005	155402	28 g	
	8602A0757 for selector switch BG005	155460	33 g	
<b>Protective collar</b>				
	8602A0751 metal for pushbutton / selector switch / mushroom stay-put button with key lock / mushroom stay-put button / mushroom pushbutton Ø 39 BG001, BG003, BG005, BG008, BG009, BG010, BG012	155326	77 g	
<b>Spare key</b>				
	Closing MS2	272645	8 g	
<b>Label mount</b>				
	Label mount, size 1, without symbol label Text: 1 line for actuators to fit Ø 30.5 mm holes	155632	1 g	
	Label mount, size 2, without symbol label Text: 1 or 2 lines for actuators to fit Ø 30.5 mm holes	155687	2 g	
	Label mount, size 3, without symbol label Text: 1, 2 or 3 lines for actuators to fit Ø 30.5 mm holes	155844	2 g	
<b>Symbol label for pushbutton and selector switch</b>				
	Colour: blue Please specify text or symbol	155910	1 g	
	Colour: green Please specify text or symbol	155900	1 g	
	Colour: white Text: START	155889	1 g	

# Control Buttons / Switches for Panel Mounting

Series 8003 Spring Clamp Terminals with Connection Chamber  
for ATEX / IECEx Applications



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Spare Parts			
Figure	Description	Art. No.	Weight
Symbol label for pushbutton and selector switch			
	Colour: blue Text: RESET	155894	1 g
	Colour: black Text: Ab	155886	1 g
Label, yellow, general			
	for Ø 55 actuator (EM-STOP)	223572	1 g
	for Ø 39 actuator (EM-STOP)	223571	1 g
Symbol label for pushbutton and selector switch			
	Colour: black Text: Auf	155883	1 g
	Colour: black Symbol: Arrow	155749	1 g
		155761	1 g
	Colour: red Symbol: Arrow	155567	1 g
	Colour: black Text: Links	155827	1 g
	Colour: black Text: Rechts	155837	1 g
	Colour: black Text: Open	155868	1 g

Spare Parts			
Figure	Description	Art. No.	Weight
Symbol label for pushbutton and selector switch			
	Colour: black Text: CLOSE	155878	1 g
	Colour: black Text: Zu	155874	1 g
	Colour: red Text: OFF	155654	1 g
	Colour: green Text: ON	155671	1 g
Insert discs for label holder			
	1-line Plain Material: PVC Colour: White Self-adhesive	238271	10 g
Symbol label for pushbutton and selector switch			
	Colour: red Text: AUS	155634	1 g
Insert discs for label holder			
	2-line Plain Material: PVC Colour: White Self-adhesive	238272	10 g
Symbol label for pushbutton and selector switch			
	Colour: black Text: AUS	155806	1 g
Insert discs for label holder			
	3-line Plain Material: PVC Colour: White Self-adhesive	238273	10 g
Symbol label for pushbutton and selector switch			
	Colour: black Text: EIN	155862	1 g
	Colour: red Text: STOP	155615	1 g



# Control Buttons / Switches for Panel Mounting

Series 8003 Spring Clamp Terminals with Connection Chamber  
for ATEX / IECEx Applications

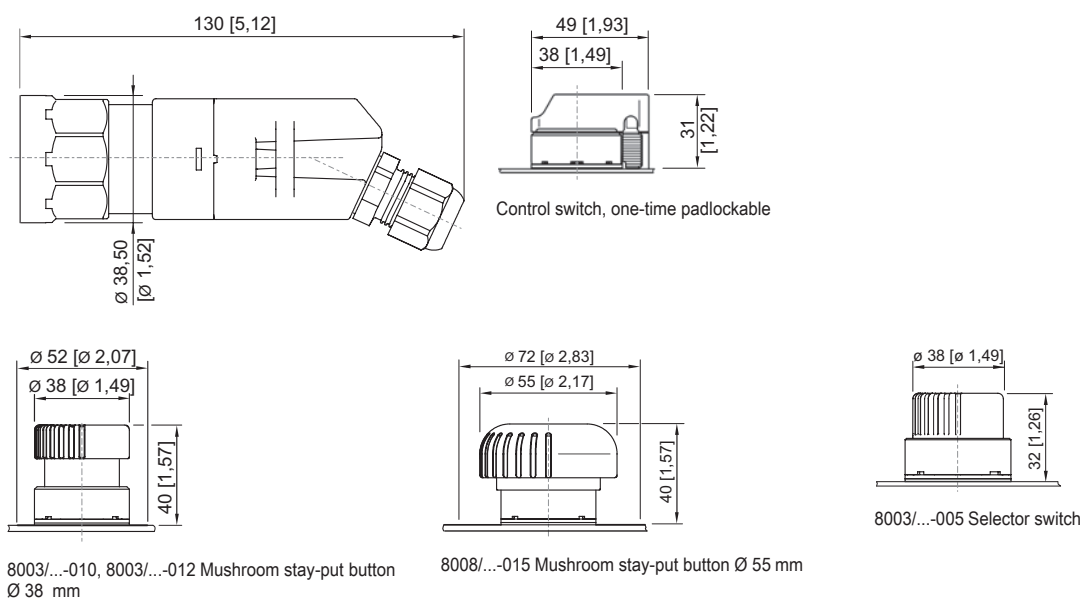


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Spare Parts			
Figure	Description	Art. No.	Weight
Symbol label for pushbutton and selector switch			
	Colour: black Text: STOP	155795	1 g
Closing part			
	8602C3-733-B for closing unused holes in cover, Ø 30.5 mm, NBR	244306	25 g
	8602C3-733-S for closing unused holes in cover, Ø 30.5 mm, silicone	244307	25 g
Symbol label for pushbutton and selector switch			
	Colour: black Text: I	155846	1 g
	Colour: green Text: I	155689	1 g
	Colour: white Text: I	155892	1 g
	Colour: black Text: II	155854	1 g
	Colour: green Text: II	155706	1 g
	Colour: red Text: O	155596	1 g
	Colour: black Text: O	155783	1 g
	Colour: black Text: I O	155771	1 g
	Colour: blue Blank label without text	155911	1 g

**Spare Parts**

Figure	Description	Art. No.	Weight
Symbol label for pushbutton and selector switch			
	Colour: yellow Blank label without text	155914	1 g
	Colour: red Blank label without text	155897	1 g
	Colour: green Blank label without text	155901	1 g
	Colour: white Blank label without text	155908	1 g
	Colour: black Blank label without text	155905	1 g
Coding kit for key-operated switch			
	Coding element, 1 x red, 1 x yellow	155403	1 g
	Coding element, 1 x green, 1 x red	155432	1 g
	Coding element, 2 x yellow	155373	1 g

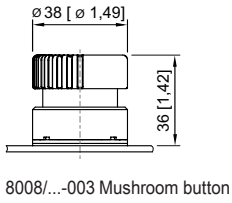
**Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations**


# Control Buttons / Switches for Panel Mounting

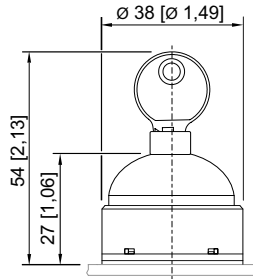
Series 8003 Spring Clamp Terminals with Connection Chamber  
for ATEX / IECEx Applications



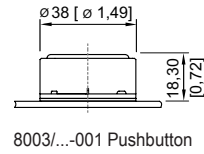
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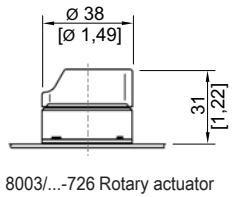
8008/...-003 Mushroom button



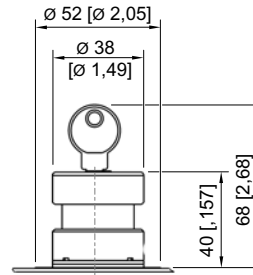
8003/...-008 Key switch



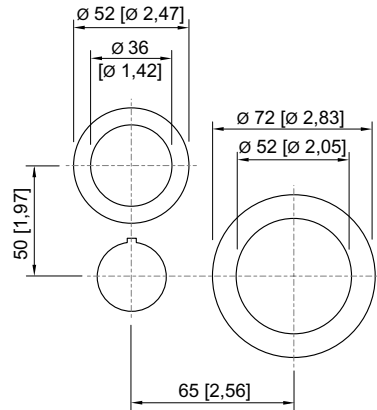
8003/...-001 Pushbutton



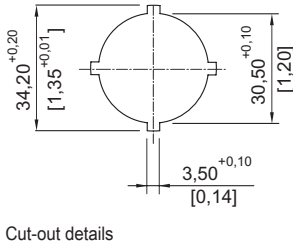
8003/...-726 Rotary actuator



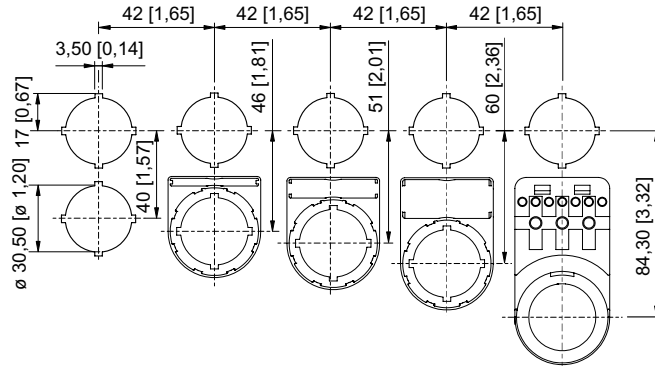
8003/...-006, 8003/...-009 Key-stay button



8003/...-009, 8003/...-010, 8003/...-015  
Cut-out for EMERGENCY-STOP button



Cut-out details



Cut-out with / without front label