




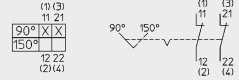

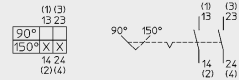

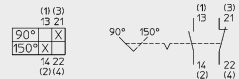
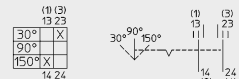
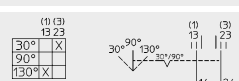
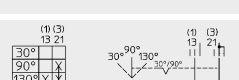
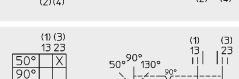

10528E00

Control Switches for Panel Mounting Series 8003

- Explosion protection to
 - CENELEC
 - IEC
- For use in
 - Zone 1 and Zone 2
 - Zone 21 and Zone 22
- Switch function
 - many switching arrangements (latching or spring-return) possible via coding
 - easy change of the coding possible on site
 - max. 2 pole
- For max. 6 A
- With connection leads or terminals

Mounting is extremely simple. The patented fixing mechanism makes installation into switch panels with standard 30,5 mm diameter holes simple and fast.

Selection table

Version	Description	Switching arrangements	Ordering code
 01059E00 Key-operated switch 8003/...-008-...	2 switching positions Cage clamp with connection area	 07144E00	8003/121-...-2-r
 01861E00 Control switch not padlockable 8003/...-726-...	2 switching positions Cage clamp with connection area	 07124E00	8003/131-...-2-r
 01860E00 Control switch one-time padlockable 8003/...-727-...	3 switching positions Cage clamp with connection area	 07127E00	8003/141-...-2-r
		 07150E00	8003/131-...-3-rr
		 07126E00	8003/131-...-3-rt
		 07145E00	8003/141-...-3-rt
		 07139E00	8003/131-...-3-tt
		 07143E00	8003/141-...-3-tt

Add. to ordering code

Operation	Key-operated switch	8003/...-008-...
	Control switch with rotary actuator, not padlockable	8003/...-726-...
	Control switch with rotary actuator, one-time padlockable	8003/...-727-...

Note Also available with fitted connection lead, in a length of 3 m , 6 m or 15 m.
Other 2 pole switching combinations available with spring-return or latched positions.

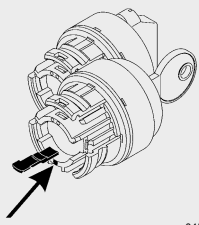
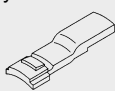
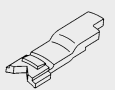


Coding of Actuators Series 8602

You can change the functions „spring-return“ and „latching“ for the control switches and key switches by yourself on site at the already mounted actuator.
At the key switch actuators also the function „key not withdrawable“ can be coded on site.

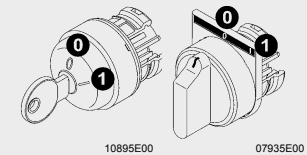
Actuators with 2 switching positions

for key switch (8602A0008-2-2-...),
for control switch (8602A0727-2-2-...)

coding element	switching position I	switching position 0
		
without	„latching“ key withdrawable	„latching“; key withdrawable; can not be coded
yellow 	„spring-return“ key not withdrawable	
red 	„latching“ key not withdrawable	

Note: The 2 position actuators type 8602A0726-2-2-.. for control switches are already configured „latching“ or „spring-return“ at the factory and cannot be coded on site!

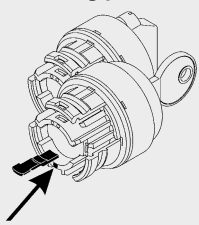
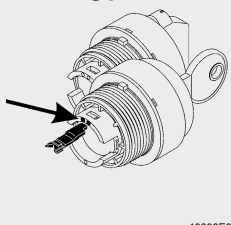

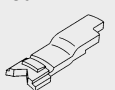
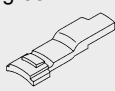
2 switching positions



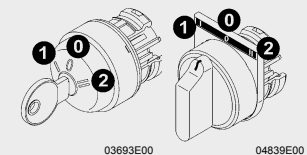
0 = switching position 0
1 = switching position I

Actuators with 3 switching positions

for key switch (8602A0008-2-2-...),
for control switch (8602A0727-2-2-...)

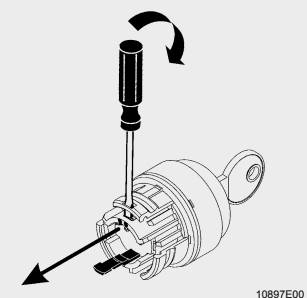
coding element	switching position I	switching position II	switching position 0
			
without	„latching“ key withdrawable	„latching“ key withdrawable	„latching“; key withdrawable; can not be coded
yellow 	„spring-return“ key not withdrawable	„spring-return“ key not withdrawable	
red 	--	„latching“ key not withdrawable	
green 	„latching“ key not withdrawable	--	

3 switching positions




0 = switching position 0
1 = switching position I
2 = switching position II


Demounting of coding elements



Technical Data

Explosion protection

Gas explosion protection  II 2 G EEx de IIC T6

Dust explosion protection  II 2 D IP 66 T80 °C

Certificates

PTB 02 ATEX 1057 X

Ambient temperature range

standard: - 20 °C ... + 60 °C
special: - 55 °C ... + 60 °C

Rated voltage

max. 550 V

Rated current

max. 6 A

Schematic



10503E00

8003/11.



09792E00

8003/12.



09791E00

8003/13.



09790E00

8003/14.

Min. voltage*

12 V AC / DC

Min. current*

50 mA

* typical values dependent on conditions of use

Switching capacity

switching capacity	AC 15	AC 12	DC 13
	500 V	500 V	110 V
	max. 6 A	max. 6 A	max. 6 A
	max. 1250 VA	max. 3000 VA	max. 110 W

Rated operating characteristics referred to switching capacity

Housing

Polyamide

Contact material

Standard Silver-nickel

Special Silver-nickel, gold-plated

Contact element

10⁶ operations

Degree of protection






IP 65 (frontside IP 66)

Degree of protection acc. IEC/CEI 60 529

Connections

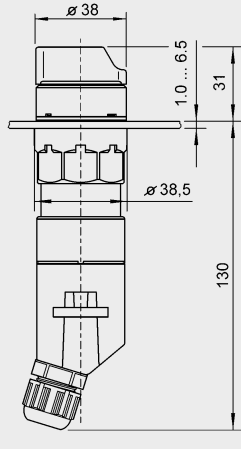
2 pole contact element for cross-section 0,75 mm² ... 1,5 mm²



Accessories and spare parts										
Designation	Illustration	Description	Ordering code	Weight kg						
Actuators	 05049E00	for control switch 8003/...-726								
		2 positions: Function: 0 latching I latching	8602830177AI	0,028						
		2 positions: Function: 0 latching I spring-return	8602830177AS	0,028						
	3 positions: Function: I free codable * 0 latching II free codable *	8602830177AK	0,028							
	 05048E00	for control switch, padlockable 8003/...-727								
		2 positions: Function: 0 latching I free codable *	8602830177AL	0,030						
3 positions: Function: I free codable * 0 latching II free codable *		8602830177AM	0,030							
Spare keys	 10545E00	for all key-operated buttons / key-operated switches								
		standard locking MS1	3746050	0,008						
		special locking MS2 ... MS 20 (specify as text)	3746060	0,006						
Closure part	 05647E00	to close not used mounting holes \varnothing 30,5 mm	8602801587	0,016						
Additional symbol labels	 05543E00	Label mount, size 1, without symbol label	8602904800	0,002						
		Label mount, size 2, without symbol label	8602907800	0,003						
		for actuators to fit standard \varnothing 30,5 mm holes with text, please specify text:								
		Text: <table border="1" data-bbox="630 1355 981 1512"> <tr> <td>HAND - 0 - AUTO</td> <td>I - 0 - II</td> </tr> <tr> <td>OFF - • - ON</td> <td>0 - I - II</td> </tr> <tr> <td>0 - I</td> <td>0 - Operation - I</td> </tr> <tr> <td>I - II</td> <td>0 - • - I</td> </tr> </table> additional labels: plain	HAND - 0 - AUTO	I - 0 - II	OFF - • - ON	0 - I - II	0 - I	0 - Operation - I	I - II	0 - • - I
HAND - 0 - AUTO	I - 0 - II									
OFF - • - ON	0 - I - II									
0 - I	0 - Operation - I									
I - II	0 - • - I									
Coding kit for key-operated switch		Coding kit to encode key-operated switch Type 8003/...-008-								
		Two-position switch „spring-return“ and/or „key not removable“	8602805290	0,001						
		Three-position switch „spring-return“	8602803290	0,001						
		Three-position switch „key not removable“	8602804290	0,001						

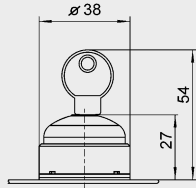
* all necessary coding elements are included

Dimension drawings (all dimensions in mm) - subject to alterations



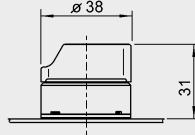
8003/1..-72.
Control switch

03316E00



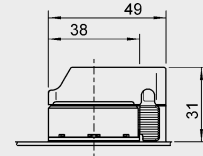
8003/...-008
Key-operated switch

10546E00



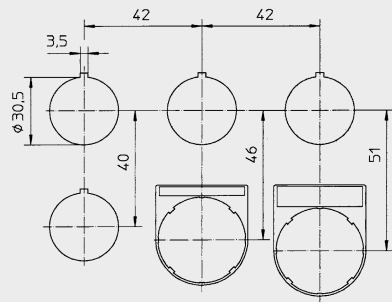
8003/1..-726
Rotary actuator

10547E00



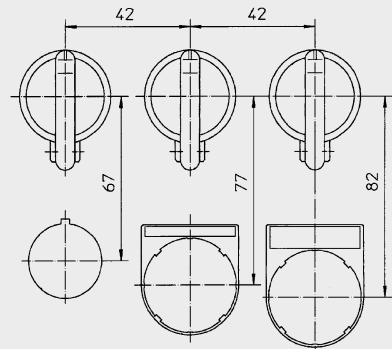
8003/1..-727
Rotary actuator, lockable

03317E00



Standard cut-out with / without front label

08746E00



Standard cut-out with / without front label
for control switch

08748E00

We reserve the right to make alterations to the technical data, weights, dimensions, designs and products available without notice. The illustrations cannot be considered binding.