



- Pushbutton, mushroom pushbutton, mushroom stay-put button with key lock, mushroom stay-put button, double pushbutton and illuminated pushbutton, rotary actuator, key-operated switch, potentiometer and signal light
- 1 axial actuator can operate up to 4 contact elements from the 8082 series
- Key-operated switch and rotary switch can be coded at any time as "latching/spring return" and/or "key not removable"

MY R. STAHL 8602A



Thanks to their special technical features, the actuators from the 8602/3 series can withstand the most extreme conditions. In addition to the application option for use in ambient temperatures from -60 °C to +70 °C, the IP degree of protection, IP66, is maintained in accordance with EN60529. It is also possible to actuate up to four contact elements from the 8082 series with a single axial actuator from the 8602/3 series. The coding option of the key switches and rotary switches is innovative and one-of-a-kind. Integrated coding allows you to adjust the "latching/spring return" and/or "key not removable" functions at any time without additional accessories. A versatile set of accessories consisting of label holders and locking devices is available.

	NEC® 500 CE Code Appendix J					
	Class I		Class II		Class III	
Division	1	2	1	2	1	2
Ex interface						
Installation in		•		•		

	CE Code Section 18 NEC® 505						NEC® 506		
	Class I								
Zone	0	1	2	20	21	22			
Ex interface									
Installation in		•	•		•	•			

	IECEX / ATEX					
	0	1	2	20	21	22
Zone						
Ex interface						
Installation in		•	•		•	•

Selection Table					
Product description Assembly Description note		Illuminated pushbutton Spring return 735 Pressure plate for 3 contact elements enclosed.			
Figure	Description	Silicone-free	Product Type	Art. No.	Weight lb
	Ø 39 mm Black Front panel mounting All colours	No	8602C3-735-S-C06	244655	0.08 lb
Product description Assembly		Indicator lamp bezel 054			
Figure	Description	Silicone-free	Product Type	Art. No.	Weight lb
	Ø 39 mm Black Front panel mounting All colors	No	8602C3-054-S-C06	223123	0.05 lb

Selection Table

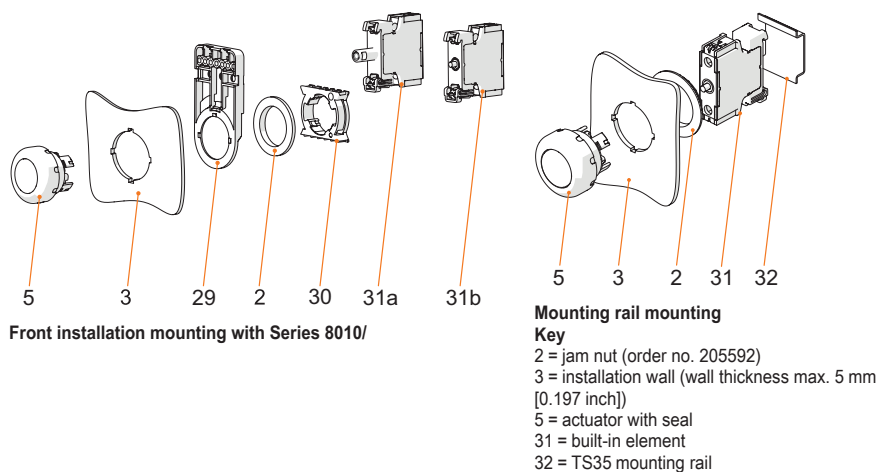
Product description Assembly Description note	Key-operated switch actuator 008 Conversion to the "spring return" or "key not removable" function is possible with the installed coding elements. Additional closures on request. Two keys enclosed. Pressure plates for 1-2 and 3-4 contact elements enclosed.				
Figure	Description	Silicone-free	Product Type	Art. No.	Weight lb
	Ø 39 mm Black Closing: MS1 Number of switching positions: 2 Front panel mounting Switching function: Latching / Latching	No	8602C3-008-S-M01-02-MS01	244574	0.11 lb
	Ø 39 mm Black Closing: MS1 Number of switching positions: 3 Front panel mounting Switching function: Latching / Latching / Latching	No	8602C3-008-S-M03-03-MS01	244633	0.11 lb
Product description Assembly Description note	mushr. stay button w. key lock EMERGENCY STOP 009 Two keys enclosed.				
Figure	Description	Silicone-free	Product Type	Art. No.	Weight lb
	Ø 39 mm Yellow/red Designation plate: With yellow backing plate Closing: MS1 Front panel mounting	No	8602C3-009-S .. MS1	223694	0.17 lb
Product description Assembly Description note	mushr. stay button w. key lock RD-BK 006 Two keys enclosed.				
Figure	Description	Silicone-free	Product Type	Art. No.	Weight lb
	Ø 39 mm Red/black Closing: MS1 Front panel mounting	No	8602C3-006-S .. MS1	223696	0.17 lb
Product description Assembly	Mushroom pushbutton 003				
Figure	Description	Silicone-free	Product Type	Art. No.	Weight lb
	Ø 39 mm Black Designation plate: Multiple labels Front panel mounting	No	8602C3-003-S	326912	0 lb
Product description Assembly	Mushroom pushbutton 004				
Figure	Description	Silicone-free	Product Type	Art. No.	Weight lb
	Ø 39 mm Red/black Designation plate: Red, blank disc without text Front panel mounting	No	8602C3-004-S	244566	0.11 lb

Selection Table					
Product description Assembly		Mushroom pushbutton 55 mm 014			
Figure	Description	Silicone-free	Product Type	Art. No.	Weight lb
	Ø 55 mm Black/red Designation plate: Red, blank disc without text Front panel mounting	No	8602C3-014-S	244635	0.12 lb
Product description Assembly		Mushroom pushbutton 55 mm 703			
Figure	Description	Silicone-free	Product Type	Art. No.	Weight lb
	Ø 55 mm Black Designation plate: Black, blank disc without text Front panel mounting	No	8602C3-703-S	244643	0.12 lb
Product description Assembly		Mushroom stay-put button 012			
Figure	Description	Silicone-free	Product Type	Art. No.	Weight lb
	Ø 39 mm Black Front panel mounting	No	8602C3-012-S	223700	0.11 lb
Product description Assembly		Mushroom stay-put button 55 mm EMERGENCY STOP 015			
Figure	Description	Silicone-free	Product Type	Art. No.	Weight lb
	Ø 55 mm Yellow/red Designation plate: With yellow backing plate Front panel mounting	No	8602C3-015-S	244637	0.12 lb
Product description Assembly		Mushroom stay-put button EMERGENCY STOP 010			
Figure	Description	Silicone-free	Product Type	Art. No.	Weight lb
	Ø 39 mm Yellow/red Designation plate: With yellow backing plate Front panel mounting	No	8602C3-010-S	223698	0.11 lb
Product description Assembly		Pushbutton 001			
Figure	Description	Silicone-free	Product Type	Art. No.	Weight lb
	Ø 39 mm Black Designation plate: Multiple labels Front panel mounting	No	8602C3-001-S	326911	0 lb

Selection Table

Product description Assembly		Rotary actuator, small lockable 727			
Figure	Description	Silicone-free	Product Type	Art. No.	Weight lb
	Ø 39 mm Black Designation plate: Multiple labels Number of switching positions: 2 Lockable in: One pos. with one lock Front panel mounting Switching function: Latching / Latching	No	8602C3-727-S-M01-02-E08	326914	0 lb
	Ø 39 mm Black Designation plate: Multiple labels Number of switching positions: 3 Lockable in: One pos. with one lock Front panel mounting Switching function: Latching / Latching / Latching	No	8602C3-727-S-M03-03-E03	326915	0 lb
Product description Assembly		Twin pushbutton 023			
Figure	Description	Silicone-free	Product Type	Art. No.	Weight lb
	Black Designation plate: Multiple labels Front panel mounting	No	8602C3-023-S	326913	0 lb
Product description Assembly Description note		Twin pushbutton 023 Select other labels from the accessories.			
Figure	Description	Silicone-free	Product Type	Art. No.	Weight lb
	Black Front panel mounting	No	8602C3-023-S	244639	0.1 lb

Technical Drawings – Subject to Alterations



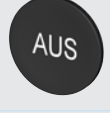
Accessories

Figure	Description	Product Type	Art. No.	Weight lb
Spare key				
	Closing MS1	Key MS1	107109	0.02

Spare Parts

Figure	Description	Product Type	Art. No.	Weight lb
Locking devices				
	8602C3-752 for actuated mushroom stay-put button BG010, BG012	8602C3-752	244869	0.2
	8602C3-756 for actuated mushroom stay-put button BG010, BG012	8602C3-756	244873	0.2
	8602C3-758 for not actuated mushroom stay-put button BG010, BG012	8602C3-758	244874	0.2
Insert discs for label holder				
	One-line Plain Material: PVC Colour: White Self-adhesive	Label 38,8x3,4x0,8 Blank 8602/3 SZ1	238271	0.02
	Two-line Plain Material: PVC Colour: White Self-adhesive	Label 38,8x8,2x0,8 Blank 8602/3 SZ2	238272	0.02
	Three-line Plain Material: PVC Colour: White Self-adhesive	Label 38.8x17.1x0.8 Blank 8602/3 SZ3	238273	0.02
Label, yellow, general				
	for Ø 39 actuator (EM-STOP)	Label 8602/3 Ø52 yellow RAL1018	223571	–
	for special, Ø 55 actuator (EM-STOP), e.g. series 8040	Label 8602/3 50x70 yellow RAL1018	223573	–
Designation plate for pushbutton and selector switch				
	Black Text: O	8602/3	227741	–

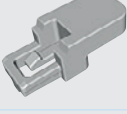
Spare Parts

Figure	Description	Product Type	Art. No.	Weight lb
Designation plate for pushbutton and selector switch				
	Black Text: I	8602/3	227747	–
	Black Text: II	8602/3	227754	–
	Black Symbol: Straight arrow, 45°	8602/3	227778	–
	Black Text: ON	8602/3	227808	–
	Black Text: OFF	8602/3	227811	–
	Blue Text: RESET	8602/3	227926	–
	Green Text: I	8602/3	227750	–
	Green Text: II	8602/3	227753	–
Designation plates for pushbutton and selector switch				
	Green Text: START	8602/3	227801	–
Designation plate for pushbutton and selector switch				
	Red Text: STOP	8602/3	227804	–

Spare Parts				
Figure	Description	Product Type	Art. No.	Weight lb
Designation plate for pushbutton and selector switch				
	Red Text: OFF	8602/3	227810	–
		8602/3	227814	–
	Red Text: O	8602/3	227740	–
	White Text: I	8602/3	227751	–
	Black Blank disc without text	8602/3	215425	–
	Blue Blank disc without text	8602/3	215427	–
	Green Blank disc without text	8602/3	215424	–
	Red Blank disc without text	8602/3	215423	–
	Red Symbol: Right arrow	8602/3	272628	–
	White Blank disc without text	8602/3	215426	–
	Yellow Blank disc without text	8602/3	215428	–

Spare Parts

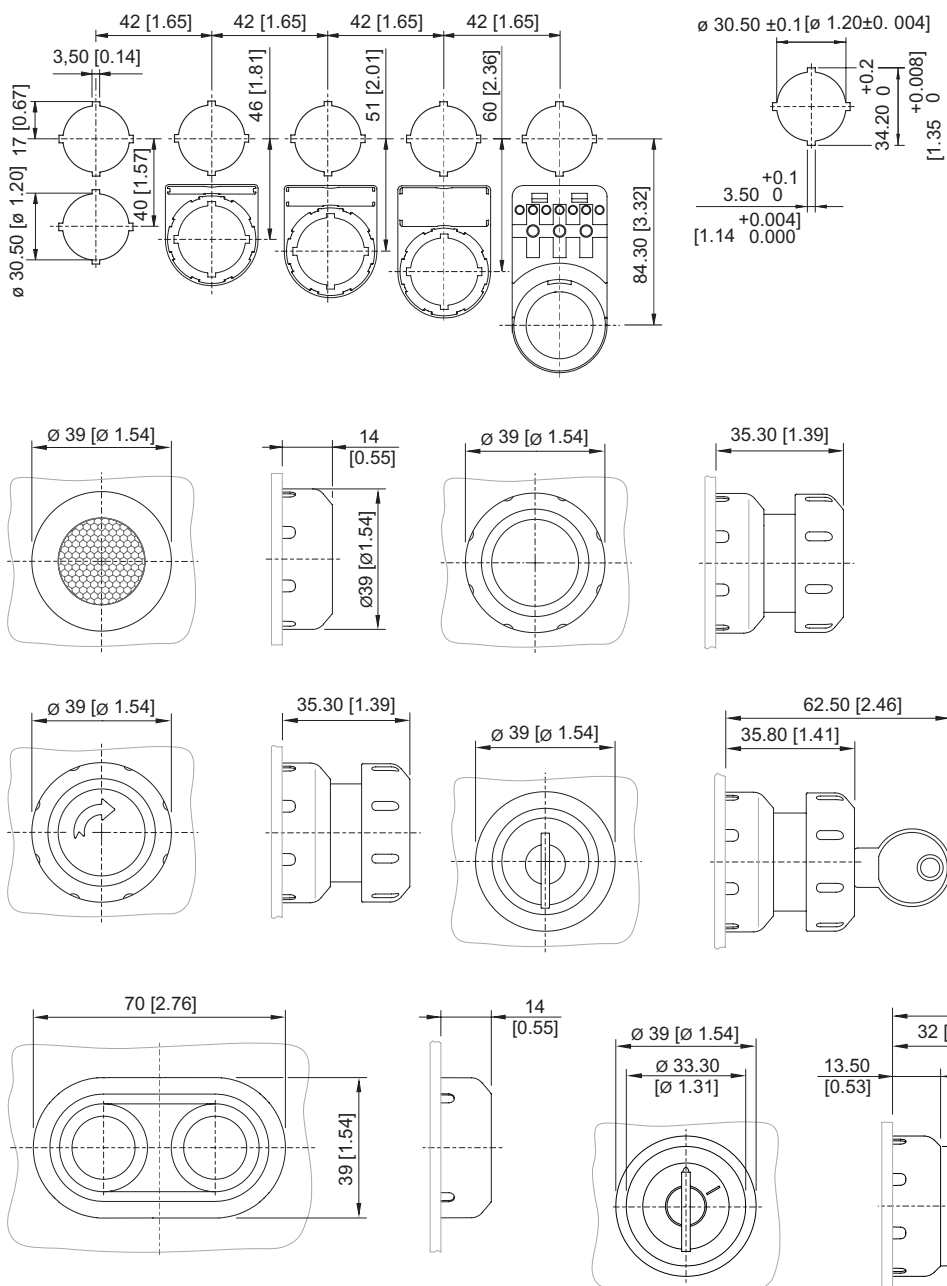
Figure	Description	Product Type	Art. No.	Weight lb
Closing part				
	8602C3-733-B for closing unused holes in cover, dia. 30.5 mm, NBR	8602C3-733-B	244306	0.06
	8602C3-733-S for closing unused holes in cover, dia. 30.5 mm, silicone	8602C3-733-S	244307	0.06
Colour filter for BG 735				
	for illuminated pushbutton, all colours packaged	Accessories 8602C3 color filter all color	248684	–
Caps for BG054				
	for indicator lamp, all colors packaged	Accessories 8602C3 caps all color	248685	0.01
Designation plates set for BG001, BG023				
	Button label set contains 9 labels 6x blank label without text in the colors red, green, white, blue, yellow, black 1x label in the color red, text: STOP 1x label in the color green, text: START 1x label in the color blue, text: RESET	Accessories 8602C3 button label Set A	321791	0.01
Protective collar				
	8602C3-751 plastic/red for mushroom stay-put button with key lock/mushroom stay-put button dia. 39 BG006, BG009, BG010, BG012	8602C3-751	257707	0.04
	8602C3-751 plastic/yellow for mushroom stay-put button with key lock/mushroom stay-put button dia. 39 BG006, BG009, BG010, BG012	8602C3-751	257708	0.04
Label holder				
	Size 1, without insert disc, 1-line label for actuators Ø 39	8602/3	223566	–
	Size 2, without insert disc, 1- or 2-line label for actuators Ø 39	8602/3	223567	–
	Size 3, without insert disc, 1-, 2- or 3-line label for actuators Ø 39	8602/3	223568	–
Special key				
	for tightening plastic locking nut	Actuator wrench 8602	169101	0.07

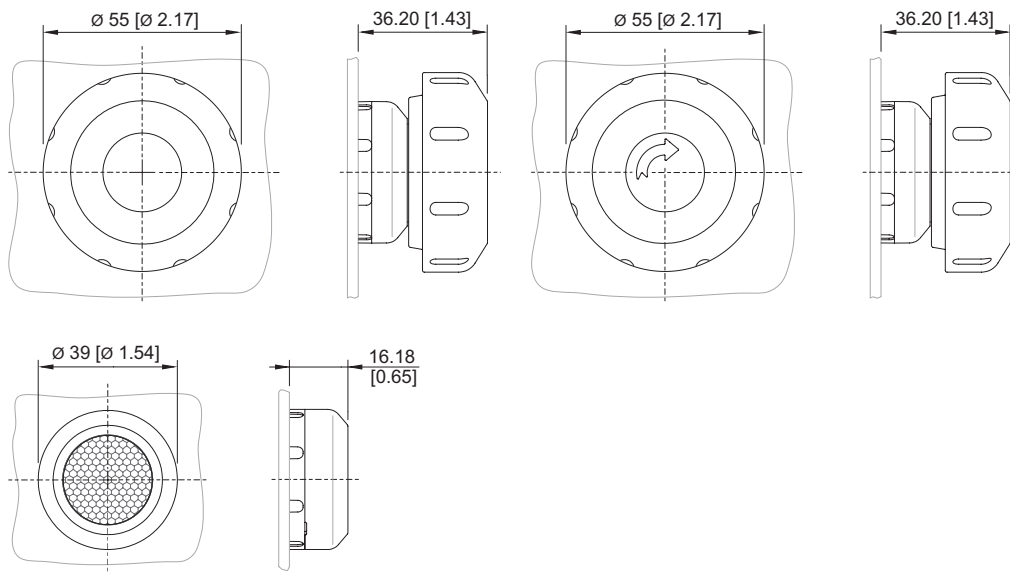
Spare Parts				
Figure	Description	Product Type	Art. No.	Weight lb
Pressure plates				
	Dia. 37 mm Three contact elements	Pressure plate 8602/3 D37mm	215436	–
	Dia. 48.5 mm Four contact elements	Pressure plate 8602/3 D48,5mm	215437	–
	For twin pushbutton Four contact elements	Pressure plate 8602/3 twin pushbutton L	221706	–
	For key-operated switch and axial rotary actuator 1 to 2 contact elements	Pressure plate 8602/3 f. axial, 1-2 cont	253627	–
	For key-operated switch and axial rotary actuator 3 to 4 contact elements	Pressure plate 8602/3 f. axial, 3-4 cont	221707	–
Covering				
	for NEC indicator lamp BG 054 and NEC potentiometer BG 092	Cover 8602/3	252023	0.08
	for NEC front installation indicating lamp BG 054	Cover 8602/3 UL for panel mounting	253260	0.07
Holder for front installation				
	8602/3 holder for cable duct	Carrier 8602/3 cable channel	248673	0.11
Adaptor for front installation				
	8602/3 Front installation for indicator lamp series 8010/6 and contact element series 8082/3	Adaptor 8602/3 front. f. type 8010/8082.	227038	0.02
LED indicator lamp for front installation				
	for Ex e front installation	8010/6-21-1	240900	0.066s
	for Ex i front installation	8010/6-21-2	240901	0.066s
	for SA front installation	8010/6-21-3	274899	0.075s

Spare Parts

Figure	Description	Product Type	Art. No.	Weight lb
8082/3 Contact element				
	For NC front installation	8082/3-21-1-0	240898	0.055s
	for NO contact front installation	8082/3-21-2-0	240899	0.055s

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





Use of actuators

			Potential built-in elements mounting rail mounting							Potential built-in elements front installation	
			8082			8010	8208/24	8008	8006	8082/8010 adaptor 227038	8008 with adaptor 260081
			1/2 elements	3 elements	4 elements					max. 3 elements	
BG: 8602C3- xxx	Actuator	Direction of actuation	Standard	Pressure plate SAP no.							
001	Pushbutton	axial	x	215436	215437	--	x	--	--	x	--
003	Mushroom pushbut- ton black	axial	x	215436	215437	--	x	--	--	x	--
004	Mushroom pushbutton red	axial	x	215436	215437	--	x	--	--	x	--
006	Mushroom stay-put button with key lock	axial	x	215436	215437	--	x	--	--	x	--
008	Key-operated button	axial	2 x 253627 ¹⁾	--	2 x 221707 ¹⁾	--	--	--	--	2 x 253627 1 left/ 1 right	--
009	Mushroom stay-put button with key lock EM-STOP	axial	x	215436	215437	--	x	--	--	x	--
010	Mushroom stay-put button EM-STOP	axial	x	215436	215437	--	x	--	--	x	--
012	Mushroom stay-put button black	axial	x	215436	215437	--	x	--	--	x	--
014	Mushroom pushbut- ton red, Ø 55	axial	x	215436	215437	--	x	--	--	x	--
015	Mushroom stay-put button EM-STOP, Ø 55	axial	x	215436	215437	--	x	--	--	x	--
023	Twin pushbutton	axial	x	--	2 x 221706	--	--	--	--	1 left/ 1 right	--
054	Indicator lamp bezel	--	--	--	--	x	--	--	--	--	--
092	Potentiometer actuator	radial	--	--	--	--	x	--	--	--	--
703	Mushroom pushbut- ton black, Ø 55	axial	x	215436	215437	--	x	--	--	x	--
726	Axial rotary actua- tor, not lockable	axial	2 x 253627 ¹⁾	--	2 x 221707 ¹⁾	--	--	--	--	2 x 253627 1 left/ 1 right	--
727	Axial rotary actuator, lockable	axial	2 x 253627 ¹⁾	--	2 x 221707 ¹⁾	--	--	--	--	2 x 253627 1 left/ 1 right	--
728	Large rotary actuator, increased height, bk-bk	radial	--	--	--	--	--	x	x	--	x
729	Large rotary actuator, increased height, rd-ye	radial	--	--	--	--	--	x	x	--	x
730	Large rotary actuator, rd-ye	radial	--	--	--	--	--	x	x	--	x
731	Large rotary actuator, bk-bk	radial	--	--	--	--	--	x	x	--	x
732	Small rotary actuator, bk-bk	radial	--	--	--	--	--	x	--	--	x
734	Small rotary actuator, lockable	radial	--	--	--	--	--	x	--	--	x
735	Illuminated pushbutton	axial	x	215436 ¹⁾	--	x	--	--	--	x	--
736	Rotary actuator maxi, bk-bk	radial	--	--	--	--	--	x	x	--	x
737	Rotary actuator maxi, rd-ye	radial	--	--	--	--	--	x	x	--	x

¹⁾enclosed in the packed assembly

Functions

12

Pushbutton actuator	Spring return function; replaceable designation labels
Mushroom pushbutton actuator	Spring return function; replaceable designation labels
Mushroom stay-put button actuator	Press to lock, turn right to unlock; yellow backing plate enclosed; for use for EM-STOP function
Mushroom stay-put button actuator with key lock	Press to lock; unlock only with key; yellow backing plate enclosed; for use for EM-STOP function
Key-operated button actuator	Switching function with 2 or 3 latching positions; key removable in all positions; "spring return" and/or "key not removable" functions are codeable
Twin pushbutton actuator	Spring return function; 2 push buttons in one actuator; replaceable designation labels
Rotary actuator, axial	Switching function with 2 or 3 latching positions
Closing part	For closing unused holes in cover
Small rotary actuator	Switching function
Rotary actuator Maxi	Switching function
Potentiometer	Infinitely variable
Illuminated pushbutton	Spring return / illumination function; replaceable colour filters
Indicator lamp	Illumination function; replaceable coloured caps