



- Large selection of different actuators
- Versions as an NC with positive opening, NO or disconnect terminal

E4

WebCode **8082A**





R. STAHL Series 8082 contact elements have an NO contact and a positive opening operation NC contact, made from silver-nickel or gold-plated. They can be easily combined with contact blocks and enable customised installations, also due to the large selection of the various actuators.

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

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


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

Selection Table					
Contact material		Gold-plated			
Figure	Number of NCs	Number of NOs	Art. No.	Weight	
	1	–	132645	25 g	
	–	1	132644	25 g	
Contact material		Silver-nickel			
Figure	Number of NCs	Number of NOs	Art. No.	Weight	
	1	–	132636	25 g	
	–	1	132640	30 g	

All actuators of series 8602 can be equipped with up to 2 contact elements.
The actuators of series 8602 assembly codes 001, 002, 003, 005, 006, 009, 010, 012, 015 and 726 (2 positions) can be equipped with up to 3 contact elements.
If the actuator of series 8602 assembly code 023 (twin pushbutton) is built into an enclosure 8146/5 or 8125/5, up to 4 contact elements can be installed.

Technical Data		
Variant	Silver- nickel	Gold- plated
Explosion Protection		
IECEX gas explosion protection	Ex db eb IIC T6 Gb	Ex db eb IIC T6 Gb
IECEX firedamp protection	Ex db eb I Mb	Ex db eb I Mb
ATEX gas explosion protection	Ex II 2 G Ex db eb IIC T6 Gb	Ex II 2 G Ex db eb IIC T6 Gb
ATEX firedamp protection	Ex I M2 Ex db eb I Mb	Ex I M2 Ex db eb I Mb

Technical Data		
Variant	Silver- nickel	Gold- plated
Explosion Protection		
Certificates	ATEX (PTB), Brazil (ULB), Canada / USA (UL), Canada (UL), China (CQST), IECEX (PTB), Korea (KTL), SIL (exida)	ATEX (PTB), Brazil (ULB), Canada / USA (UL), Canada (UL), China (CQST), IECEX (PTB), Korea (KTL), SIL (exida)
Notes	Product label may vary. Series devices have certification according to ATEX, IECEX, NEC and CEC.	
Functional Safety		
SIL-capable	without actuator or with actuators 8602/3-006, 8602/3-009, 8602/3-010, 8602/3-012	without actuator or with actuators 8602/3-006, 8602/3-009, 8602/3-010, 8602/3-012
Electrical Data		
Max. rated operational voltage	550 V	550 V
Min. rated operational voltage	24 V	24 V
Electrical service life	10 ⁶ operating cycles	10 ⁶ operating cycles
Mechanical service life	10 ⁶ operating cycles	10 ⁶ operating cycles
Rated operational current	150 mA / 10 A	10 mA / 150 A
Switching capacity AC-12	250 V / 10 A 400 V / 7.5 A 550 V / 5 A	250 V / 10 A 400 V / 7.5 A 550 V / 5 A
Switching capacity AC-15	110 V / 10 A 250 V / 6 A 400 V / 4 A	110 V / 10 A 250 V / 6 A 400 V / 4 A
Switching capacity DC-13	60 V / 6 A	60 V / 6 A
Switching capacity DC-13<SoftReturn/>2 contact elements in series	230 V/1 A 110 V/2.5 A	230 V/1 A 110 V/2.5 A
Ambient Conditions		
Ambient temperature	-60 °C ... +70 °C (T6)	-60 °C ... +70 °C (T6)
Operating temperature	-60 °C ... +100 °C	-60 °C ... +100 °C
Mechanical Data		
IP degree of protection (IEC 60529)	IP20	IP20
Enclosure material	Polyamide	Polyamide
Silicone-free	Yes	Yes
Max. connection cross-section, finely stranded	2.5 mm²	2.5 mm²
Notes	different combinations of contact elements possible	
Mounting / Installation		
Tightening torque	1.2 Nm	1.2 Nm
Tightening torque lbf in	10.62 lbf in	10.62 lbf in
Connection type	Screw terminal	Screw terminal

Accessories			
Figure	Description	Art. No.	Weight
Pushbutton BG001			
	Ø 39 mm Black Designation plate: Black, blank disc without text Silicone-free: Yes	223691	34 g
	Ø 39 mm Black Designation plate: Black, blank disc without text Silicone-free: No	223692	34 g

Accessories			
Figure	Description	Art. No.	Weight
Mushroom pushbutton, black BG003			
	Ø 39 mm Black Designation plate: Black, blank disc without text Silicone-free: Yes	244563	50 g
	Ø 39 mm Black Designation plate: Black, blank disc without text Silicone-free: No	244564	50 g
Mushroom pushbutton, red BG004			
	Ø 39 mm Red/black Designation plate: Red, blank disc without text Silicone-free: Yes	244565	50 g
	Ø 39 mm Red/black Designation plate: Red, blank disc without text Silicone-free: No	244566	50 g
Mushroom stay-put button with key BG006			
	Ø 39 mm Red/black Closing: MS1 Silicone-free: Yes	223695	75 g
Mushroom stay-put button with key BG006			
	Ø 39 mm Red/black Closing: MS1 Silicone-free: No	223696	75 g
Key-operated switch actuator BG008			
	Ø 39 mm Black Closing: MS1 Number of switching positions: 2 Switching function: Latching / Latching Silicone-free: No	244574	50 g
	Ø 39 mm Black Closing: MS1 Number of switching positions: 3 Switching function: Latching / Latching / Latching Silicone-free: No	244633	50 g
Mushroom stay-put button with EM-STOP key BG009			
	Ø 39 mm Yellow/red Designation plate: With yellow backing plate Closing: MS1 Silicone-free: Yes	223693	75 g
	Ø 39 mm Yellow/red Designation plate: With yellow backing plate Closing: MS1 Silicone-free: No	223694	75 g


Accessories


Figure	Description	Art. No.	Weight
Mushroom stay-put button EM-STOP BG010			
	Ø 39 mm Yellow/red Designation plate: With yellow backing plate Silicone-free: Yes	223697	50 g
	Ø 39 mm Yellow/red Designation plate: With yellow backing plate Silicone-free: No	223698	50 g
Mushroom stay-put button, black BG012			
	Ø 39 mm Black Silicone-free: Yes	223699	50 g
	Ø 39 mm Black Silicone-free: No	223700	50 g
Mushroom pushbutton 55 mm red BG014			
	Ø 55 mm Black/red Designation plate: Red, blank disc without text Silicone-free: Yes	244634	55 g
Mushroom pushbutton 55 mm red BG014			
	Ø 55 mm Black/red Designation plate: Red, blank disc without text Silicone-free: No	244635	55 g
Mushroom stay-put button 55 mm EM-STOP BG015			
	Ø 55 mm Yellow/red Designation plate: With yellow backing plate Silicone-free: Yes	244636	55 g
Mushroom stay-put button 55 mm EM-STOP BG015			
	Ø 55 mm Yellow/red Designation plate: With yellow backing plate Silicone-free: No	244637	55 g
Twin pushbutton BG023			
	Black Silicone-free: Yes	244638	45 g
	Black Silicone-free: No	244639	45 g
Mushroom pushbutton 55 mm black BG703			
	Ø 55 mm Black Designation plate: Black, blank disc without text Silicone-free: Yes	244642	55 g
	Ø 55 mm Black Designation plate: Black, blank disc without text Silicone-free: No	244643	55 g

Accessories

Figure	Description	Art. No.	Weight
Small rotary actuator, not lockable BG726			
	Ø 39 mm Black Designation plate: 0/OFF – I/ON Number of switching positions: 2 Lockable in: Not padlockable Switching function: Latching / Latching Silicone-free: Yes	244646	40 g
	Ø 39 mm Black Designation plate: 0/OFF – I/ON Number of switching positions: 2 Lockable in: Not padlockable Switching function: Latching / Latching Silicone-free: No	244647	40 g
	Ø 39 mm Black Designation plate: I – 0 – II Number of switching positions: 3 Lockable in: Not padlockable Switching function: Latching / Latching / Latching Silicone-free: Yes	244648	40 g
	Ø 39 mm Black Designation plate: I – 0 – II Number of switching positions: 3 Lockable in: Not padlockable Switching function: Latching / Latching / Latching Silicone-free: No	244649	40 g
Small rotary actuator, lockable BG727			
	Ø 39 mm Black Designation plate: 0/OFF – I/ON Number of switching positions: 2 Lockable in: One pos. with one lock Switching function: Latching / Latching Silicone-free: Yes	244650	40 g
	Ø 39 mm Black Designation plate: 0/OFF – I/ON Number of switching positions: 2 Lockable in: One pos. with one lock Switching function: Latching / Latching Silicone-free: No	244651	40 g
	Ø 39 mm Black Designation plate: I – 0 – II Number of switching positions: 3 Lockable in: One pos. with one lock Switching function: Latching / Latching / Latching Silicone-free: Yes	244652	40 g
	Ø 39 mm Black Designation plate: I – 0 – II Number of switching positions: 3 Lockable in: One pos. with one lock Switching function: Latching / Latching / Latching Silicone-free: No	244653	40 g
Illuminated pushbutton (spring return) BG735			
	Ø 39 mm Black All colours Silicone-free: Yes	244654	35 g
	Ø 39 mm Black All colours Silicone-free: No	244655	35 g

Spare Parts

Figure	Description	Art. No.	Weight
Mushroom stay-put button with key BG006			
	Ø 39 mm Red/black Closing: MS2 Silicone-free: Yes	270409	75 g
	Ø 39 mm Red/black Closing: MS2 Silicone-free: No	270412	75 g
	Ø 39 mm Red/black Closing: MS3 Silicone-free: Yes	270410	75 g
	Ø 39 mm Red/black Closing: MS3 Silicone-free: No	270413	75 g
	Ø 39 mm Red/black Closing: MS4 Silicone-free: Yes	270411	75 g
	Ø 39 mm Red/black Closing: MS4 Silicone-free: No	270414	75 g

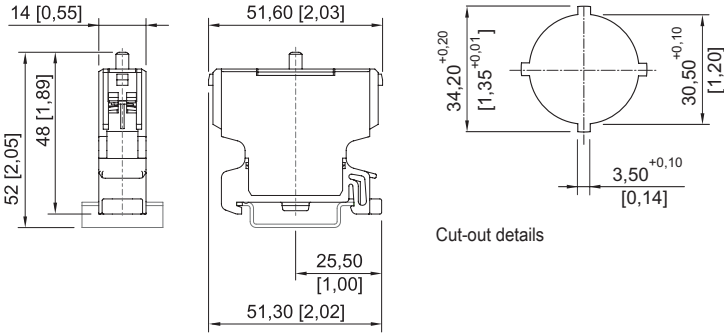
Spare Parts			
Figure	Description	Art. No.	Weight
Key-operated switch actuator BG008			
	Ø 39 mm Black Closing: MS1 Number of switching positions: 2 Switching function: Latching / Latching Silicone-free: Yes	244573	50 g
	Ø 39 mm Black Closing: MS2 Number of switching positions: 2 Switching function: Latching / Latching Silicone-free: Yes	272935	60 g
	Ø 39 mm Black Closing: MS2 Number of switching positions: 2 Switching function: Latching / Latching Silicone-free: No	270418	50 g
	Ø 39 mm Black Closing: MS3 Number of switching positions: 2 Switching function: Latching / Latching Silicone-free: Yes	274089	50 g
	Ø 39 mm Black Closing: MS3 Number of switching positions: 2 Switching function: Latching / Latching Silicone-free: No	270419	50 g
	Ø 39 mm Black Closing: MS4 Number of switching positions: 2 Switching function: Latching / Latching Silicone-free: Yes	272936	60 g
	Ø 39 mm Black Closing: MS4 Number of switching positions: 2 Switching function: Latching / Latching Silicone-free: No	270420	50 g

Spare Parts

Figure	Description	Art. No.	Weight
Key-operated switch actuator BG008			
	Ø 39 mm Black Closing: MS1 Number of switching positions: 3 Switching function: Latching / Latching / Latching Silicone-free: Yes	244632	50 g
	Ø 39 mm Black Closing: MS2 Number of switching positions: 3 Switching function: Latching / Latching / Latching Silicone-free: Yes	274090	50 g
	Ø 39 mm Black Closing: MS2 Number of switching positions: 3 Switching function: Latching / Latching / Latching Silicone-free: No	270421	50 g
	Ø 39 mm Black Closing: MS3 Number of switching positions: 3 Switching function: Latching / Latching / Latching Silicone-free: Yes	274091	50 g
	Ø 39 mm Black Closing: MS3 Number of switching positions: 3 Switching function: Latching / Latching / Latching Silicone-free: No	270422	50 g
	Ø 39 mm Black Closing: MS4 Number of switching positions: 3 Switching function: Latching / Latching / Latching Silicone-free: Yes	274092	50 g
	Ø 39 mm Black Closing: MS4 Number of switching positions: 3 Switching function: Latching / Latching / Latching Silicone-free: No	270423	50 g

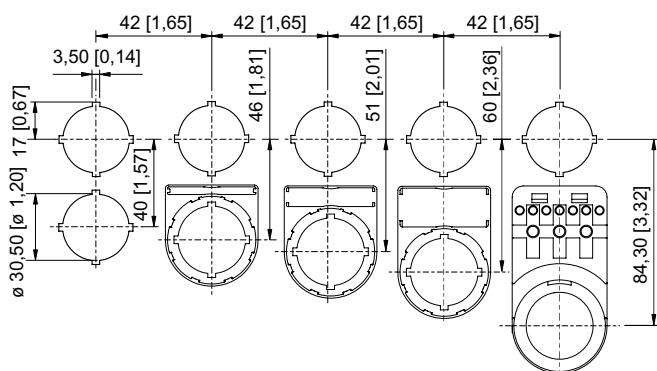
Spare Parts			
Figure	Description	Art. No.	Weight
Mushroom stay-put button with EM-STOP key BG009			
	Ø 39 mm Yellow/red Designation plate: With yellow backing plate Closing: MS2 Silicone-free: Yes	274099	750 g
	Ø 39 mm Yellow/red Designation plate: With yellow backing plate Closing: MS2 Silicone-free: No	270415	75 g
	Ø 39 mm Yellow/red Designation plate: With yellow backing plate Closing: MS3 Silicone-free: Yes	274100	750 g
	Ø 39 mm Yellow/red Designation plate: With yellow backing plate Closing: MS3 Silicone-free: No	270416	75 g
	Ø 39 mm Yellow/red Designation plate: With yellow backing plate Closing: MS4 Silicone-free: Yes	274101	750 g
	Ø 39 mm Yellow/red Designation plate: With yellow backing plate Closing: MS4 Silicone-free: No	270417	75 g

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



Contact element, single

E4



Cut-out with / without front label