



- 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 CEC Appendix J					
	Class I		Class II		Class III	
Division	1	2	1	2	1	2
Installation in		•				


	CEC 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 kg
	1		–		132645 0.025
	–		1		132644 0.025
Contact material			Silver-nickel		
Figure	Number of NCs		Number of NOs		Art. No. Weight kg
	1		–		132636 0.025
	–		1		132640 0.030

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

Technical Data		
Variant	Silver- nickel	Gold- plated
Explosion Protection		
ATEX firedamp protection	Ⓔ I M2 Ex db eb I Mb	Ⓔ I M2 Ex db eb I Mb
Certificates	ATEX (PTB), Brazil (ULB), Canada / USA (UL), China (CQST), EAC (ENDCE), IECEx (PTB), Korea (KTL), SIL (exida)	ATEX (PTB), Brazil (ULB), Canada / USA (UL), China (CQST), EAC (ENDCE), 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 mA
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 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 kg
	Ø 39 mm Black Designation plate: Black, blank disc without text Silicone-free: Yes	223691 ▲	0.034
	Ø 39 mm Black Designation plate: Black, blank disc without text Silicone-free: No	223692 ▲	0.034

Accessories

Figure	Description	Art. No.	Weight kg
Mushroom pushbutton, black			
	Ø 39 mm Black Designation plate: Black, blank disc without text Silicone-free: Yes	244563	0.050
	Ø 39 mm Black Designation plate: Black, blank disc without text Silicone-free: No	244564	0.050
Mushroom pushbutton, red			
	Ø 39 mm Red/black Designation plate: Red, blank disc without text Silicone-free: Yes	244565	0.050
	Ø 39 mm Red/black Designation plate: Red, blank disc without text Silicone-free: No	244566	0.050
Mushroom stay-put button with key			
	Ø 39 mm Red/black Closing: MS1 Silicone-free: Yes	223695	0.075
	Ø 39 mm Red/black Closing: MS1 Silicone-free: No	223696	0.075
Key-operated switch actuator			
	Ø 39 mm Black Closing: MS1 Number of switching positions: 2 Switching function: Latching / Latching Silicone-free: No	244574	0.050
	Ø 39 mm Black Closing: MS1 Number of switching positions: 3 Switching function: Latching / Latching / Latching Silicone-free: No	244633	0.050
Mushroom stay-put button with EM-STOP key			
	Ø 39 mm Yellow/red Designation plate: With yellow backing plate Closing: MS1 Silicone-free: Yes	223693	0.075
	Ø 39 mm Yellow/red Designation plate: With yellow backing plate Closing: MS1 Silicone-free: No	223694	0.075
Mushroom stay-put button EM-STOP			
	Ø 39 mm Yellow/red Designation plate: With yellow backing plate Silicone-free: Yes	223697	0.050
	Ø 39 mm Yellow/red Designation plate: With yellow backing plate Silicone-free: No	223698	0.050

Accessories

Figure	Description	Art. No.	Weight kg
Mushroom stay-put button, black			
	Ø 39 mm Black Silicone-free: Yes	223699	0.050
	Ø 39 mm Black Silicone-free: No	223700	0.050
Mushroom pushbutton 55 mm red			
	Ø 55 mm Black/red Designation plate: Red, blank disc without text Silicone-free: Yes	244634	0.055
	Ø 55 mm Black/red Designation plate: Red, blank disc without text Silicone-free: No	244635	0.055
Mushroom stay-put button 55 mm EM-STOP			
	Ø 55 mm Yellow/red Designation plate: With yellow backing plate Silicone-free: Yes	244636	0.055
	Ø 55 mm Yellow/red Designation plate: With yellow backing plate Silicone-free: No	244637	0.055
Twin pushbutton			
	Black Silicone-free: Yes	244638	0.045
	Black Silicone-free: No	244639	0.045
Mushroom pushbutton 55 mm black			
	Ø 55 mm Black Designation plate: Black, blank disc without text Silicone-free: Yes	244642	0.055
	Ø 55 mm Black Designation plate: Black, blank disc without text Silicone-free: No	244643	0.055

Accessories

Figure	Description	Art. No.	Weight kg
Small rotary actuator, not lockable			
	<p>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</p>	244646	0.040
	<p>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</p>	244647	0.040
	<p>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</p>	244648	0.040
	<p>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</p>	244649	0.040
Small rotary actuator, lockable			
	<p>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</p>	244650	0.040
	<p>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</p>	244651	0.040
	<p>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</p>	244652	0.040
	<p>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</p>	244653	0.040
Illuminated pushbutton (spring return) BG735			
	<p>Diameter 39.0 mm All colours Silicone-free: Yes</p>	244654	0.035
	<p>Diameter 39.0 mm All colours Silicone-free: No</p>	244655	0.035


Spare Parts

Figure	Description	Art. No.	Weight kg
Mushroom stay-put button with key			
	Ø 39 mm Red/black Closing: MS2 Silicone-free: Yes	270409	0.075
	Ø 39 mm Red/black Closing: MS2 Silicone-free: No	270412	0.075
	Ø 39 mm Red/black Closing: MS3 Silicone-free: Yes	270410	0.075
	Ø 39 mm Red/black Closing: MS3 Silicone-free: No	270413	0.075
	Ø 39 mm Red/black Closing: MS4 Silicone-free: Yes	270411	0.075
	Ø 39 mm Red/black Closing: MS4 Silicone-free: No	270414	0.075
Key-operated switch actuator			
	Ø 39 mm Black Closing: MS1 Number of switching positions: 2 Switching function: Latching / Latching Silicone-free: Yes	244573	0.050
	Ø 39 mm Black Closing: MS2 Number of switching positions: 2 Switching function: Latching / Latching Silicone-free: Yes	272935	0.060
	Ø 39 mm Black Closing: MS2 Number of switching positions: 2 Switching function: Latching / Latching Silicone-free: No	270418	0.050
	Ø 39 mm Black Closing: MS3 Number of switching positions: 2 Switching function: Latching / Latching Silicone-free: Yes	274089	0.050
	Ø 39 mm Black Closing: MS3 Number of switching positions: 2 Switching function: Latching / Latching Silicone-free: No	270419	0.050
	Ø 39 mm Black Closing: MS4 Number of switching positions: 2 Switching function: Latching / Latching Silicone-free: Yes	272936	0.060
	Ø 39 mm Black Closing: MS4 Number of switching positions: 2 Switching function: Latching / Latching Silicone-free: No	270420	0.050
	Ø 39 mm Black Closing: MS4 Number of switching positions: 2 Switching function: Latching / Latching Silicone-free: No		

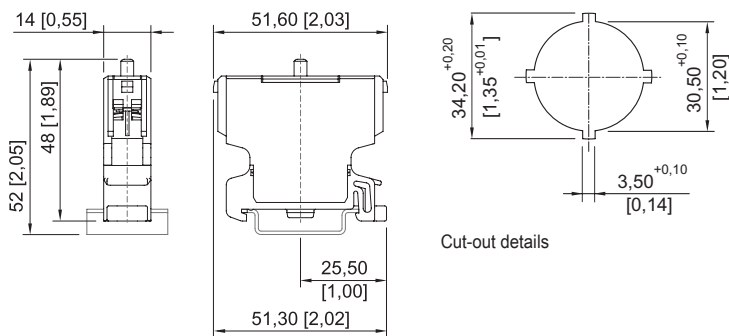
Spare Parts

Figure	Description	Art. No.	Weight kg
Key-operated switch actuator			
	Ø 39 mm Black Closing: MS1 Number of switching positions: 3 Switching function: Latching / Latching / Latching Silicone-free: Yes	244632	0.050
	Ø 39 mm Black Closing: MS2 Number of switching positions: 3 Switching function: Latching / Latching / Latching Silicone-free: Yes	274090	0.050
	Ø 39 mm Black Closing: MS2 Number of switching positions: 3 Switching function: Latching / Latching / Latching Silicone-free: No	270421	0.050
	Ø 39 mm Black Closing: MS3 Number of switching positions: 3 Switching function: Latching / Latching / Latching Silicone-free: Yes	274091	0.050
	Ø 39 mm Black Closing: MS3 Number of switching positions: 3 Switching function: Latching / Latching / Latching Silicone-free No	270422	0.050
	Ø 39 mm Black Closing: MS4 Number of switching positions: 3 Switching function: Latching / Latching / Latching Silicone-free: Yes	274092	0.050
	Ø 39 mm Black Closing: MS4 Number of switching positions: 3 Switching function: Latching / Latching / Latching Silicone-free: No	270423	0.050

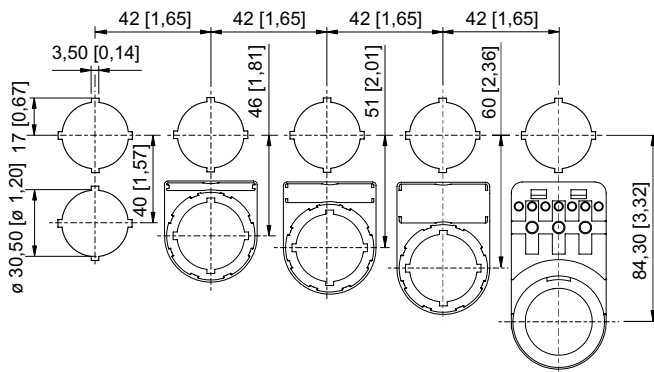
Spare Parts

Figure	Description	Art. No.	Weight kg
Mushroom stay-put button with EM-STOP key			
	Ø 39 mm Yellow/red Designation plate: With yellow backing plate Closing: MS2 Silicone-free: Yes	274099	0.750
	Ø 39 mm Yellow/red Designation plate: With yellow backing plate Closing: MS2 Silicone-free: No	270415	0.075
	Ø 39 mm Yellow/red Designation plate: With yellow backing plate Closing: MS3 Silicone-free: Yes	274100	0.750
	Ø 39 mm Yellow/red Designation plate: With yellow backing plate Closing: MS3 Silicone-free: No	270416	0.075
	Ø 39 mm Yellow/red Designation plate: With yellow backing plate Closing: MS4 Silicone-free: Yes	274101	0.750
	Ø 39 mm Yellow/red Designation plate: With yellow backing plate Closing: MS4 Silicone-free: No	270417	0.075

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



Contact element, single



Cut-out with / without front label