



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

MY R. STAHL 8082D



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. They are connected via screw or spring clamp terminals.

	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 Class I			NEC® 506		
Zone	0	1	2	20	21	22
Ex interface						
Installation in		•	•			

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

Selection Table								
Product description Contact element for front installation Ex e								
Number of NCs	Number of NOs	Contact material	Packaging unit	Positive opening operation	Positive opening operation	Product Type	Art. No.	Weight lb
1	–	Silver-nickel	1	Yes	–	8082C3-21-1-0	315695	0.000 lb
5	5	Silver-nickel	10	Yes	for NC contacts only	8082C3-21-3-0	315699	0.000 lb
10	–	Silver-nickel	10	Yes	–	8082C3-21-1-0	315697	0.000 lb
–	1	Silver-nickel	1	–	–	8082C3-21-2-0	315696	0.000 lb
–	10	Silver-nickel	10	–	–	8082C3-21-2-0	315698	0.000 lb
Product description Contact element for front installation With gold-plated contacts								
Number of NCs	Number of NOs	Contact material	Packaging unit	Positive opening operation	Positive opening operation	Product Type	Art. No.	Weight lb
1	–	Gold-plated	1	Yes	–	8082C3-21-1-1	349413	0.000 lb
–	1	Gold-plated	1	–	–	8082C3-21-2-1	349414	0.000 lb
Product description Contact element for installation on mounting rail Ex e								
Number of NCs	Number of NOs	Contact material	Packaging unit	Positive opening operation	Positive opening operation	Product Type	Art. No.	Weight lb
1	–	Silver-nickel	1	Yes	–	8082C3-11-1-0	348810	0.000 lb
5	5	Silver-nickel	10	Yes	for NC contacts only	8082C3-11-3-0	348814	0.000 lb
10	–	Silver-nickel	10	Yes	–	8082C3-11-1-0	348812	0.000 lb
–	1	Silver-nickel	1	–	–	8082C3-11-2-0	348811	0.000 lb
–	10	Silver-nickel	10	–	–	8082C3-11-2-0	348813	0.000 lb
Product description Contact element for installation on mounting rail With gold-plated contacts								
Number of NCs	Number of NOs	Contact material	Packaging unit	Positive opening operation	Positive opening operation	Product Type	Art. No.	Weight lb
1	–	Gold-plated	1	Yes	–	8082C3-11-1-1	349415	0.000 lb

Selection Table

Product description								
Contact element for installation on mounting rail With gold-plated contacts								
Number of NCs	Number of NOs	Contact material	Packaging unit	Positive opening operation	Positive opening operation	Product Type	Art. No.	Weight lb
-	1	Gold-plated	1	-	-	8082C3-11-2-1	349416	0.000 lb

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



Explosion Protection	
UL gas certificate	E182378V1S9
Marking cULus	Class I, Div. 2, Groups A,B,C,D; Class I, Zone 1, AEx/Ex db eb IIC
IECEX gas certificate	IECEX PTB 17.0037U
IECEX gas explosion protection	Ex db eb IIC T6 / T5 Gb
ATEX gas certificate	PTB 17 ATEX 1012 U
ATEX gas explosion protection	⊕ II 2 G Ex db eb IIC T6 / T5 Gb
Certificates	ATEX (PTB), Brazil (ULB), Canada (UL), China (CQST), IECEX (PTB), Korea (KTL), USA (UL)
Notes	Product label may vary. Series devices are labelled with ATEX, IECEX, NEC® and CE Code.
Electrical Data	
Max. rated operational voltage	550 V
Min. rated operational voltage	24 V
Electrical service life	10 ⁸ operating cycles
Mechanical service life	10 ⁸ operating cycles
Rated operational current	150 mA / 0 A
Rated operational current note	- Gold-plated contacts: 10 to 150 mA switching current - Silver-nickel contacts for a switching current of 150 mA and above - For switching currents < 100 mA in corrosive environments and offshore applications, the use of 8208 snap-action switches is recommended.
Switching capacity AC-12	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
Switching capacity DC-13	110 V / 1 A
Switching capacity DC-13<SoftReturn/>2 contact elements in series	60 V/6 A 110 V/2.5 A 250 V/1.25 A
Ambient Conditions	
Ambient temperature NEC®	-76°F ... +167°F (T6) -76°F ... +194°F (T5)
Ambient temperature NEC®	-60 °C ... +75 °C (T6) -60 °C ... +90 °C (T5)
Ambient temperature	-76 °F ... +158 °F (T6) -76 °F ... +185 °F (T5)
Ambient temperature	-60 °C ... +70 °C (T6) -60 °C ... +85 °C (T5)
Operating temperature NEC®	-76 °F ... +203 °F
Operating temperature NEC®	-60 °C ... +95 °C
Operating temperature	-76 °F ... +212 °F
Operating temperature	-60 °C ... +100 °C
Notes	Group installation: Installation conditions influence the ambient temperature

Technical Data	
Mechanical Data	
Degree of protection (IP) (IEC 60529)	IP20
Enclosure material	Polyamide
Contact material	Silver-nickel
Silicone-free	Yes
Solid connection cross section	0.32 – 2.5 mm ²
Connection cross-section AWG single stranded	22 AWG ... 14 AWG
Finely stranded connection cross section	0.32 – 2.5 mm ²
Finely stranded connection cross-section AWG	22 AWG ... 14 AWG
Connection cross-section, finely stranded with core end sleeve	0.32 – 2.5 mm ²
Connection cross-section AWG finely stranded with core end sleeve	22 AWG - 14 AWG
Notes	different combinations of contact elements possible
Mounting / Installation	
Tightening torque	1.2 N · m
Tightening torque lbf in	10.62 lbf in
Connection type	Screw terminal

Technical Drawings – Subject to Alterations



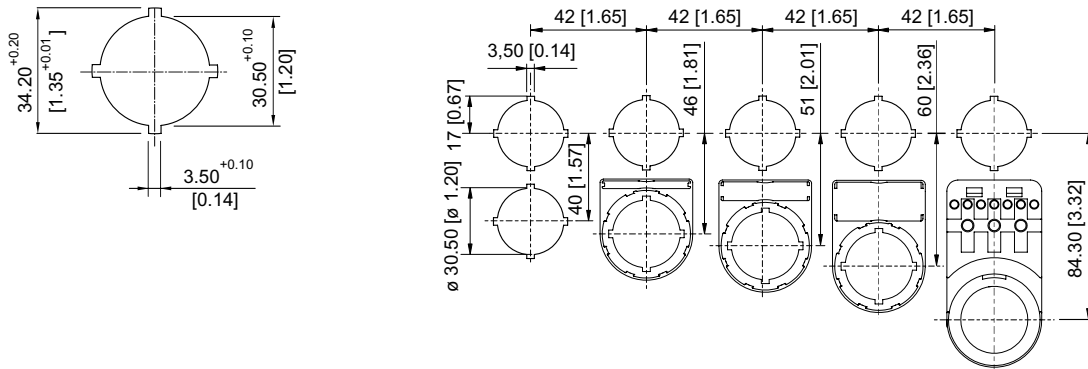
Accessories

Figure	Description	Product Type	Art. No.	Weight lb
Pushbutton BG001				
	Ø 39 mm Black Designation plate: Black, blank disc without text Front panel mounting Silicone-free: No	8602C3-001-S	223692	0.07
Key-operated switch actuator BG008				
	Ø 39 mm Black Closing: MS1 Number of switching positions: 2 Front panel mounting Switching function: Latching / Latching Silicone-free: No	8602C3-008-S-M01-02-MS01	244574	0.11
	Ø 39 mm Black Closing: MS1 Number of switching positions: 3 Front panel mounting Switching function: Latching / Latching / Latching Silicone-free: No	8602C3-008-S-M03-03-MS01	244633	0.11

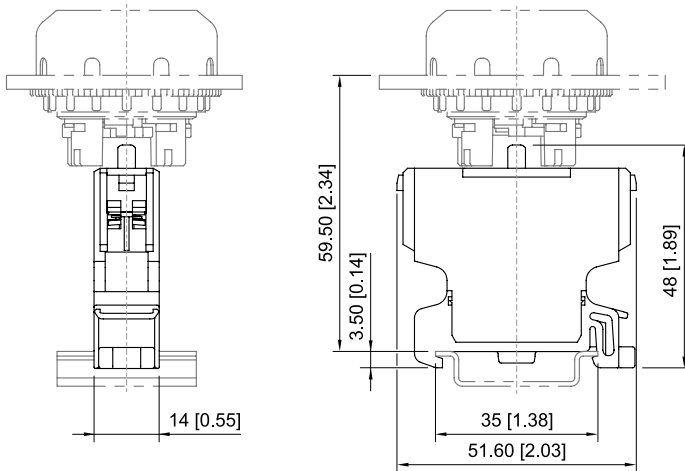
Accessories

Figure	Description	Product Type	Art. No.	Weight lb
Mushroom maintained 55 mm E-STOP BG015				
	Ø 55 mm Yellow/red Designation plate: With yellow backing plate Front panel mounting Silicone-free: No	8602C3-015-S	244637	0.12
Twin pushbutton BG023				
	Black Front panel mounting Silicone-free: No	8602C3-023-S	244639	0.1
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 Front panel mounting Switching function: maintained / maintained Silicone-free: No	8602C3-726-S-M01-02-E08	244647	0.09
Small rotary actuator, not lockable BG726				
	Ø 39 mm Black Designation plate: I - 0 - II Number of switching positions: 3 Lockable in: Not padlockable Front panel mounting Switching function: maintained / maintained / maintained Silicone-free: No	8602C3-726-S-M03-03-E03	244649	0.09
Rotary actuator, small, lockable BG727				
	Ø 39 mm Black Designation plate: 0/OFF - I/ON Number of switching positions: 2 Lockable in: One pos. with one lock Front panel mounting Switching function: Latching / Latching Silicone-free: No	8602C3-727-S-M01-02-E08	244651	0.09
	Ø 39 mm Black Designation plate: I - 0 - II Number of switching positions: 3 Lockable in: One pos. with one lock Front panel mounting Switching function: Latching / Latching / Latching Silicone-free: No	8602C3-727-S-M03-03-E03	244653	0.09
Illuminated pushbutton (spring return) BG735				
	Ø 39 mm Black Front panel mounting All colours Silicone-free: No	8602C3-735-S-C06	244655	0.08

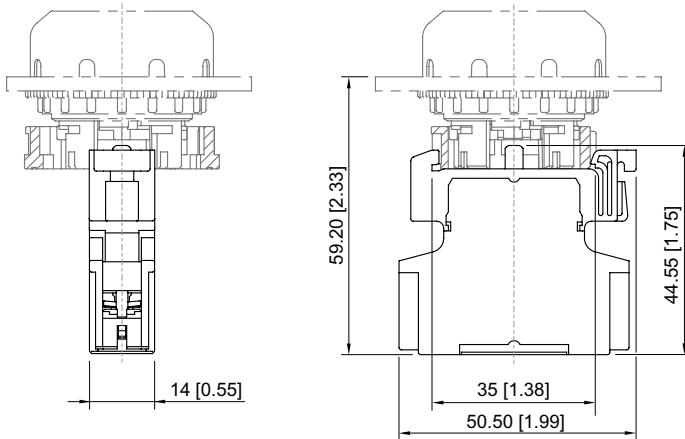
Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



Cut-out with/without additional designation plate



Contact element
for installation on mounting rail



Contact element
for front installation