

# Control and signalling devices

## Contact element for front installation

### With gold-plated contacts

8082C3-21-1-1 Art. No. 349413



- 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.

## Technical Data

### Explosion Protection

Area of application	European Union (ATEX) CE Code IECEX NEC®
Application range (zones)	1, 2
IECEX gas certificate	IECEX PTB 17.0037U
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	Ex II 2 G Ex db eb IIC T6 / T5 Gb
UL gas certificate	E182378V1S9
Marking cULus	Class I, Div. 2, Groups A,B,C,D; Class I, Zone 1, AEx/Ex db eb IIC
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
Rated operational current	10 mA / 0 mA
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.
Electrical service life	10 <sup>6</sup> operating cycles
Mechanical service life	10 <sup>6</sup> operating cycles

# Control and signalling devices

## Contact element for front installation

### With gold-plated contacts

8082C3-21-1-1 Art. No. 349413



#### Ambient Conditions

Ambient temperature	-60 °C ... +70 °C (T6) -60 °C ... +85 °C (T5)
Ambient temperature	-76 °F ... +158 °F (T6) -76 °F ... +185 °F (T5)
Ambient temperature NEC®	-60 °C ... +75 °C (T6) -60 °C ... +90 °C (T5)
Ambient temperature NEC®	-76°F ... +167°F (T6) -76°F ... +194°F (T5)
Operating temperature	-60 °C ... +100 °C
Operating temperature	-76 °F ... +212 °F
Operating temperature NEC®	-60 °C ... +95 °C
Operating temperature NEC®	-76 °F ... +203 °F

#### Mechanical Data

Degree of protection (IP) (IEC 60529)	IP20
Enclosure material	Polyamide
Contact material	Gold-plated
Silicone-free	Yes
Solid connection cross section	0.32 – 2.5 mm <sup>2</sup>
Connection cross-section AWG single stranded	22 AWG ... 14 AWG
Finely stranded connection cross section	0.32 – 2.5 mm <sup>2</sup>
Finely stranded connection cross-section AWG	22 AWG ... 14 AWG
Connection cross-section, finely stranded with core end sleeve	0.32 – 2.5 mm <sup>2</sup>
Connection cross-section AWG finely stranded with core end sleeve	22 AWG - 14 AWG
Number of NCs	1
Positive opening operation	Yes
Contacts	1 NC
Packaging unit	1
Weight	90 g

#### 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

L<sup>11</sup>  
L<sup>12</sup>  
NC

# Control and signalling devices

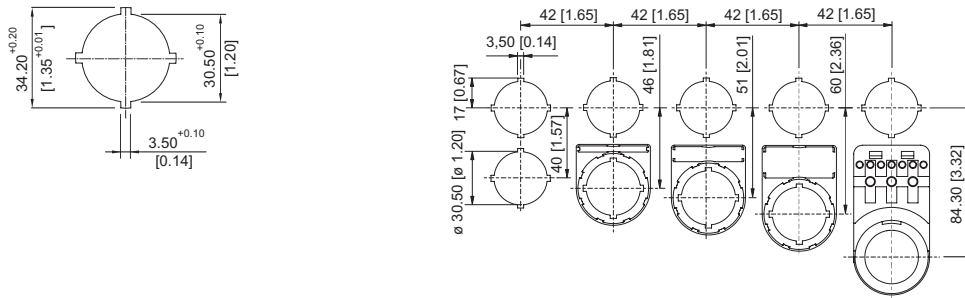
## Contact element for front installation

### With gold-plated contacts

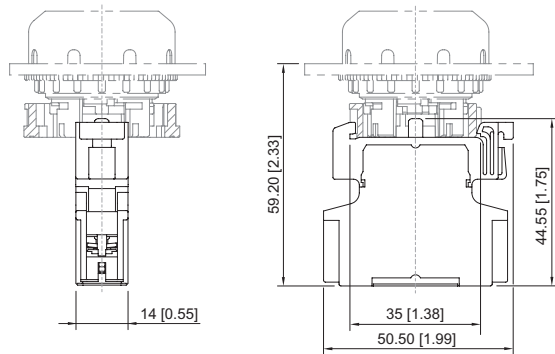
8082C3-21-1-1 Art. No. 349413



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



Cut-out with/without additional designation plate



Contact element for front installation

## Accessories

### Pushbutton BG001



Ø 39 mm  
Black  
Designation plate: Black, blank disc without text  
Front panel mounting  
Silicone-free: Yes

Art. No.

223691

Ø 39 mm  
Black  
Designation plate: Black, blank disc without text  
Front panel mounting  
Silicone-free: No

223692

### Mushroom pushbutton, black BG003



Ø 39 mm  
Black  
Designation plate: Black, blank disc without text  
Front panel mounting  
Silicone-free: Yes

Art. No.

244563


Ø 39 mm  
Black  
Designation plate: Black, blank disc without text  
Front panel mounting  
Silicone-free: No

244564

**Control and signalling devices**  
**Contact element for front installation**  
**With gold-plated contacts**  
**8082C3-21-1-1 Art. No. 349413**



**Mushroom pushbutton, red**  
**BG004**

		<b>Art. No.</b>
	Ø 39 mm Red/black Designation plate: Red, blank disc without text Front panel mounting Silicone-free: Yes	244565
	Ø 39 mm Red/black Designation plate: Red, blank disc without text Front panel mounting Silicone-free: No	244566



**Mushroom stay-put button with key lock**  
**BG006**

		<b>Art. No.</b>
	Ø 39 mm Red/black Closing: MS1 Front panel mounting Silicone-free: Yes	223695
	Ø 39 mm Red/black Closing: MS1 Front panel mounting Silicone-free: No	223696
	Ø 39 mm Red/black Closing: MS2 Front panel mounting Silicone-free: Yes	270409
	Ø 39 mm Red/black Closing: MS2 Front panel mounting Silicone-free: No	270412
	Ø 39 mm Red/black Closing: MS3 Front panel mounting Silicone-free: Yes	270410
	Ø 39 mm Red/black Closing: MS3 Front panel mounting Silicone-free: No	270413
	Ø 39 mm Red/black Closing: MS4 Front panel mounting Silicone-free: Yes	270411
	Ø 39 mm Red/black Closing: MS4 Front panel mounting Silicone-free: No	270414

**Control and signalling devices**  
Contact element for front installation  
With gold-plated contacts  
8082C3-21-1-1 Art. No. 349413



**Key-operated switch actuator**  
**BG008**

		<b>Art. No.</b>
	Ø 39 mm Black Closing: MS1 Number of switching positions: 2 Front panel mounting Switching function: Latching / Latching Silicone-free: No	244574
	Ø 39 mm Black Closing: MS1 Number of switching positions: 3 Front panel mounting Switching function: Latching / Latching / Latching Silicone-free: No	244633

**Control and signalling devices**  
**Contact element for front installation**  
**With gold-plated contacts**  
**8082C3-21-1-1 Art. No. 349413**



**Key-operated switch actuator**  
**BG008**



	<b>Art. No.</b>
Ø 39 mm Black Closing: MS1 Number of switching positions: 2 Front panel mounting Switching function: Latching / Latching Silicone-free: Yes	244573
Ø 39 mm Black Closing: MS2 Number of switching positions: 2 Front panel mounting Switching function: Latching / Latching Silicone-free: Yes	272935
Ø 39 mm Black Closing: MS2 Number of switching positions: 2 Front panel mounting Switching function: Latching / Latching Silicone-free: No	270418
Ø 39 mm Black Closing: MS3 Number of switching positions: 2 Front panel mounting Switching function: Latching / Latching Silicone-free: Yes	274089
Ø 39 mm Black Closing: MS3 Number of switching positions: 2 Front panel mounting Switching function: Latching / Latching Silicone-free: No	270419
Ø 39 mm Black Closing: MS4 Number of switching positions: 2 Front panel mounting Switching function: Latching / Latching Silicone-free: Yes	272936
Ø 39 mm Black Closing: MS4 Number of switching positions: 2 Front panel mounting Switching function: Latching / Latching Silicone-free: No	270420

**Control and signalling devices**  
**Contact element for front installation**  
**With gold-plated contacts**  
**8082C3-21-1-1 Art. No. 349413**




**Key-operated switch actuator**  
**BG008**

		<b>Art. No.</b>
	Ø 39 mm Black Closing: MS1 Number of switching positions: 3 Front panel mounting Switching function: Latching / Latching / Latching Silicone-free: Yes	244632
	Ø 39 mm Black Closing: MS2 Number of switching positions: 3 Front panel mounting Switching function: Latching / Latching / Latching Silicone-free: Yes	274090
	Ø 39 mm Black Closing: MS2 Number of switching positions: 3 Front panel mounting Switching function: Latching / Latching / Latching Silicone-free: No	270421
	Ø 39 mm Black Closing: MS3 Number of switching positions: 3 Front panel mounting Switching function: Latching / Latching / Latching Silicone-free: Yes	274091
	Ø 39 mm Black Closing: MS3 Number of switching positions: 3 Front panel mounting Switching function: Latching / Latching / Latching Silicone-free: No	270422
	Ø 39 mm Black Closing: MS4 Number of switching positions: 3 Front panel mounting Switching function: Latching / Latching / Latching Silicone-free: Yes	274092
	Ø 39 mm Black Closing: MS4 Number of switching positions: 3 Front panel mounting Switching function: Latching / Latching / Latching Silicone-free: No	270423


**Control and signalling devices**  
**Contact element for front installation**  
**With gold-plated contacts**  
**8082C3-21-1-1 Art. No. 349413**




**Mushroom stay-put button with key lock, EM-STOP**  
**BG009**

		<b>Art. No.</b>
	Ø 39 mm Yellow/red Designation plate: With yellow backing plate Closing: MS1 Front panel mounting Silicone-free: Yes	223693
	Ø 39 mm Yellow/red Designation plate: With yellow backing plate Closing: MS1 Front panel mounting Silicone-free: No	223694

**Mushroom stay-put button with key lock, EM-STOPY**  
**BG009**

		<b>Art. No.</b>
	Ø 39 mm Yellow/red Designation plate: With yellow backing plate Closing: MS2 Front panel mounting Silicone-free: Yes	274099

**Mushroom stay-put button with key lock, EM-STOP**  
**BG009**

		<b>Art. No.</b>
	Ø 39 mm Yellow/red Designation plate: With yellow backing plate Closing: MS2 Front panel mounting Silicone-free: No	270415
	Ø 39 mm Yellow/red Designation plate: With yellow backing plate Closing: MS3 Front panel mounting Silicone-free: Yes	274100
	Ø 39 mm Yellow/red Designation plate: With yellow backing plate Closing: MS3 Front panel mounting Silicone-free: No	270416
	Ø 39 mm Yellow/red Designation plate: With yellow backing plate Closing: MS4 Front panel mounting Silicone-free: Yes	274101
	Ø 39 mm Yellow/red Designation plate: With yellow backing plate Closing: MS4 Front panel mounting Silicone-free: No	270417


**Control and signalling devices**  
**Contact element for front installation**  
**With gold-plated contacts**  
**8082C3-21-1-1 Art. No. 349413**




**Mushroom stay-put button EM-STOP**

		<b>Art. No.</b>
	Ø 39 mm Yellow/red Designation plate: With yellow backing plate Front panel mounting Silicone-free: Yes	223697
	Ø 39 mm Yellow/red Designation plate: With yellow backing plate Front panel mounting Silicone-free: No	223698


**Mushroom stay-put button, black**

		<b>Art. No.</b>
	Ø 39 mm Black Front panel mounting Silicone-free: Yes	223699
	Ø 39 mm Black Front panel mounting Silicone-free: No	223700

**Mushroom pushbutton, 55 mm, red**

		<b>Art. No.</b>
	Ø 55 mm Black/red Designation plate: Red, blank disc without text Front panel mounting Silicone-free: Yes	244634
	Ø 55 mm Black/red Designation plate: Red, blank disc without text Front panel mounting Silicone-free: No	244635

**Mushroom stay-put button, 55 mm, EM-STOP**

		<b>Art. No.</b>
	Ø 55 mm Yellow/red Designation plate: With yellow backing plate Front panel mounting Silicone-free: Yes	244636


**Mushroom maintained 55 mm E-STOP**

		<b>Art. No.</b>
	Ø 55 mm Yellow/red Designation plate: With yellow backing plate Front panel mounting Silicone-free: No	244637


**Control and signalling devices**  
**Contact element for front installation**  
**With gold-plated contacts**  
**8082C3-21-1-1 Art. No. 349413**




**Twin pushbutton**  
**BG023**

		<b>Art. No.</b>
	Black Front panel mounting Silicone-free: Yes	244638
	Black Front panel mounting Silicone-free: No	244639


**Mushroom pushbutton, 55 mm, black**  
**BG703**

		<b>Art. No.</b>
	Ø 55 mm Black Designation plate: Black, blank disc without text Front panel mounting Silicone-free: Yes	244642
	Ø 55 mm Black Designation plate: Black, blank disc without text Front panel mounting Silicone-free: No	244643

**Small rotary actuator, not lockable**  
**BG726**

		<b>Art. No.</b>
	Ø 39 mm Black Designation plate: 0/OFF - I/ON Number of switching positions: 2 Lockable in: Not padlockable Front panel mounting Switching function: Latching / Latching Silicone-free: Yes	244646


**Small rotary actuator, not lockable**  
**BG726**

		<b>Art. No.</b>
	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	244647



**Control and signalling devices**  
**Contact element for front installation**  
**With gold-plated contacts**  
**8082C3-21-1-1 Art. No. 349413**



**Small rotary actuator, not lockable**

		<b>Art. No.</b>
	Ø 39 mm Black Designation plate: I - 0 - II Number of switching positions: 3 Lockable in: Not padlockable Front panel mounting Switching function: Latching / Latching / Latching Silicone-free: Yes	244648
	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	244649

**Rotary actuator, small, lockable**

		<b>Art. No.</b>
	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: Yes	244650
	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	244651
	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: Yes	244652
	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	244653

**Control and signalling devices**  
Contact element for front installation  
With gold-plated contacts  
8082C3-21-1-1 Art. No. 349413



**Illuminated pushbutton (spring return)**  
**BG735**

		<b>Art. No.</b>
	Ø 39 mm Black Front panel mounting All colours Silicone-free: Yes	244654
	Ø 39 mm Black Front panel mounting All colours Silicone-free: No	244655

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