

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 NC contact, either made of silver-nickel or gold-plated. They can easily be combined to form contact blocks and enable customised installations, in part due to the wide selection of different actuators.

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 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 ⁶ operating cycles
Mechanical service life	10 ⁶ operating cycles

Ambient Conditions

Ambient temperature	-60 °C ... +70 °C (T6) -60 °C ... +85 °C (T5)
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Ambient Conditions

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 mm²
Connection cross-section AWG single stranded	22 AWG ... 14 AWG
Finely stranded connection cross section	0.32 – 2.5 mm²
Connection cross-section, finely stranded with core end sleeve	0.32 – 2.5 mm²
Finely stranded connection cross-section AWG	22 AWG ... 14 AWG
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
Weight	0 lb

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



L¹¹

L¹²

NC

Control and signalling devices

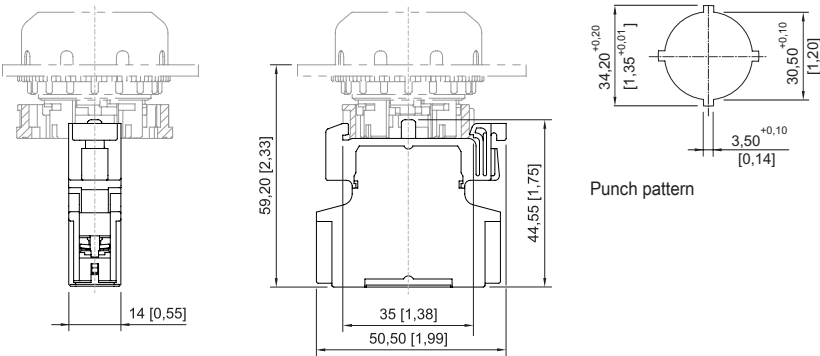
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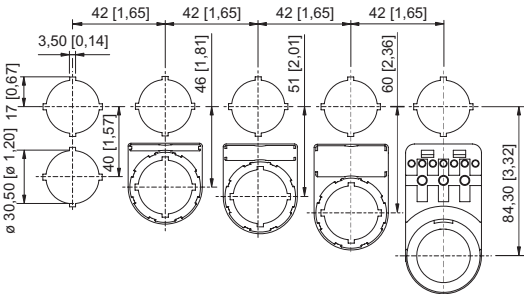
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Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



Contact element
for front installation



Cut-out with/without additional designation plate

Accessories

Pushbutton		Art. No.
	Ø 39 mm Black Designation plate: Black, blank disc without text Front panel mounting Silicone-free: Yes	223691
	Ø 39 mm Black Designation plate: Black, blank disc without text Front panel mounting Silicone-free: No	223692
Mushroom pushbutton, black		Art. No.
	Ø 39 mm Black Designation plate: Black, blank disc without text Front panel mounting Silicone-free: Yes	244563
	Ø 39 mm Black Designation plate: Black, blank disc without text Front panel mounting Silicone-free: No	244564

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Mushroom pushbutton, red

		Art. No.
	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

		Art. No.
	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

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Key-operated switch actuator
BG008

		Art. No.
	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

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STAHL

Key-operated switch actuator

BG008



Art. No.

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

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STAHL

Key-operated switch actuator

BG008

Art. No.



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

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

		Art. No.
	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

		Art. No.
	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

		Art. No.
	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

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Mushroom stay-put button EM-STOP BG010

	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 BG012

	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 BG014

	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 BG015

	Ø 55 mm Yellow/red Designation plate: With yellow backing plate Front panel mounting Silicone-free: Yes	244636
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Mushroom stay-put button 55 mm EM-STOP BG015

	Ø 55 mm Yellow/red Designation plate: With yellow backing plate Front panel mounting Silicone-free: No	244637
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Twin pushbutton BG023



Black
Front panel mounting
Silicone-free: Yes

Art. No.

244638

Black
Front panel mounting
Silicone-free: No

244639

Mushroom pushbutton, 55 mm, black BG703



Ø 55 mm
Black
Designation plate: Black, blank disc without text
Front panel mounting
Silicone-free: Yes

Art. No.

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



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

Art. No.

244646

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: Latching / Latching
Silicone-free: No

Art. No.

244647

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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: Latching / Latching / Latching
Silicone-free: Yes

Art. No.

244648

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: No

244649

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: Yes

Art. No.

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

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Illuminated pushbutton (spring return) BG735		Art. No.
	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

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