

# Control and signalling devices

## Contact element For mounting rail mounting NO

Ex e

8082/3-11-2-0 Art. No. 260899



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

MY R. STAHL 8082E



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

Scope of validity	European Union (ATEX) CEC 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
IECEX firedamp certificate	IECEX PTB 17.0037U
IECEX firedamp protection	Ex db eb I Mb
ATEX gas certificate	PTB 17 ATEX 1012 U
ATEX gas explosion protection	⊕ II 2 G Ex db eb IIC T6 / T5 Gb
ATEX firedamp certificate	PTB 17 ATEX 1012 U
ATEX firedamp protection	⊕ I M2 Ex db eb I Mb
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	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	150 mA / 10 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 - We recommend using 8082 snap-action switches for corrosive environments and off-shore applications.
Electrical service life	10 <sup>9</sup> operating cycles

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### Electrical Data

Mechanical service life	10 <sup>6</sup> operating cycles
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<SoftRe- turn/>2 contact elements in series	60 V/6 A 110 V/2.5 A 250 V/1.25 A

### 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	Silver-nickel
Silicone-free	Yes
Max. connection cross-section, finely stranded	2,5 mm <sup>2</sup>
Solid connection cross section	0.32 – 2.5 mm <sup>2</sup>
Connection cross-section AWG single stranded	22 AWG to 14 AWG
Finely stranded connection cross section	0.32 – 2.5 mm <sup>2</sup>
Finely stranded connection cross-section AWG	22 AWG to 14 AWG
Connection cross-section, finely stranded with core end sleeve	0.32 – 2.5 mm <sup>2</sup>
Connection cross-section, finely stranded with core end sleeve AWG	AWG22 - AWG14
Number of NOs	1
Packaging unit	1
Weight	25 g
Weight	0.055 lb

### Mounting / Installation

Tightening torque	1.2 Nm
Tightening torque lbf in	10.62 lbf in

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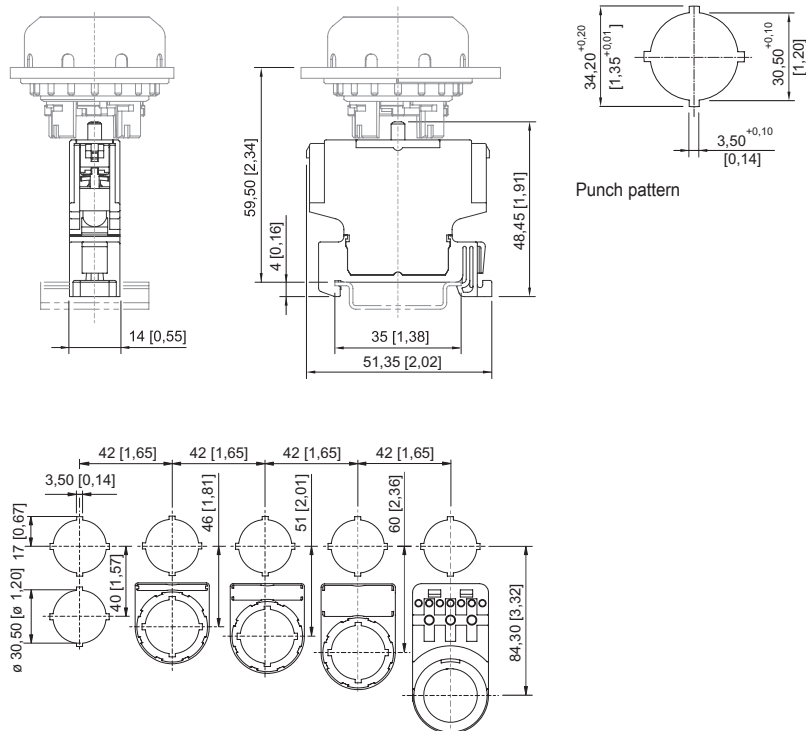


## Mounting / Installation

Connection type

Screw terminal

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



Cut-out with/without additional designation plate

## Accessories

### Pushbutton BG001



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

Art. No.

223691

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

223692

### Mushroom pushbutton, black BG003



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

Art. No.

244563

Ø 39 mm  
Black  
Designation plate: Black, blank disc without text  
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 Silicone-free: Yes	244565
	Ø 39 mm Red/black Designation plate: Red, blank disc without text Silicone-free: No	244566

## Mushroom stay-put button with key

		Art. No.
	Ø 39 mm Red/black Closing: MS1 Silicone-free: Yes	223695
	Ø 39 mm Red/black Closing: MS1 Silicone-free: No	223696

## Key-operated switch actuator

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

## Mushroom stay-put button with EM-STOP key

		Art. No.
	Ø 39 mm Yellow/red Designation plate: With yellow backing plate Closing: MS1 Silicone-free: Yes	223693
	Ø 39 mm Yellow/red Designation plate: With yellow backing plate Closing: MS1 Silicone-free: No	223694

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## Mushroom stay-put button EM-STOP

		Art. No.
	Ø 39 mm Yellow/red Designation plate: With yellow backing plate Silicone-free: Yes	223697
	Ø 39 mm Yellow/red Designation plate: With yellow backing plate Silicone-free: No	223698


## Mushroom stay-put button, black

		Art. No.
	Ø 39 mm Black Silicone-free: Yes	223699
	Ø 39 mm Black Silicone-free: No	223700

## Mushroom pushbutton, 55 mm, red

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


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

		Art. No.
	Ø 55 mm Yellow/red Designation plate: With yellow backing plate Silicone-free: Yes	244636

## Mushroom stay-put button 55 mm EM-STOP

		Art. No.
	Ø 55 mm Yellow/red Designation plate: With yellow backing plate Silicone-free: No	244637

## Twin pushbutton

		Art. No.
	Black Silicone-free: Yes	244638
	Black Silicone-free: No	244639

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## Mushroom pushbutton, 55 mm, black

		Art. No.
	Ø 55 mm Black Designation plate: Black, blank disc without text Silicone-free: Yes	244642
	Ø 55 mm Black Designation plate: Black, blank disc without text Silicone-free: No	244643


## Small rotary actuator, not lockable

		Art. No.
	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

## Small rotary actuator, not lockable

		Art. No.
	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

## Small rotary actuator, not lockable

		Art. No.
	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
	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

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### Rotary actuator, small, lockable

		Art. No.
	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
	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
	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
	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

### Illuminated pushbutton (spring return)

		Art. No.
	Ø 39 mm Black All colours Silicone-free: Yes	244654
	Ø 39 mm Black All colours Silicone-free: No	244655

## Spare Parts

### Mushroom stay-put button with key

	Art. No.
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Ø 39 mm Red/black Closing: MS2 Silicone-free: Yes	270409
Ø 39 mm Red/black Closing: MS2 Silicone-free: No	270412
Ø 39 mm Red/black Closing: MS3 Silicone-free: Yes	270410
Ø 39 mm Red/black Closing: MS3 Silicone-free: No	270413
Ø 39 mm Red/black Closing: MS4 Silicone-free: Yes	270411
Ø 39 mm Red/black Closing: MS4 Silicone-free: No	270414



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## Key-operated switch actuator

BG008

Art. No.

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


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	Ø 39 mm Black Closing: MS1 Number of switching positions: 3 Switching function: Latching / Latching / Latching Silicone-free: Yes	244632
	Ø 39 mm Black Closing: MS2 Number of switching positions: 3 Switching function: Latching / Latching / Latching Silicone-free: Yes	274090
	Ø 39 mm Black Closing: MS2 Number of switching positions: 3 Switching function: Latching / Latching / Latching Silicone-free: No	270421
	Ø 39 mm Black Closing: MS3 Number of switching positions: 3 Switching function: Latching / Latching / Latching Silicone-free: Yes	274091
	Ø 39 mm Black Closing: MS3 Number of switching positions: 3 Switching function: Latching / Latching / Latching Silicone-free: No	270422
	Ø 39 mm Black Closing: MS4 Number of switching positions: 3 Switching function: Latching / Latching / Latching Silicone-free: Yes	274092
	Ø 39 mm Black Closing: MS4 Number of switching positions: 3 Switching function: Latching / Latching / Latching Silicone-free: No	270423

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## Mushroom stay-put button with EM-STOP key

BG009

Art. No.

	Ø 39 mm Yellow/red Designation plate: With yellow backing plate Closing: MS2 Silicone-free: Yes	274099
	Ø 39 mm Yellow/red Designation plate: With yellow backing plate Closing: MS2 Silicone-free: No	270415
	Ø 39 mm Yellow/red Designation plate: With yellow backing plate Closing: MS3 Silicone-free: Yes	274100
	Ø 39 mm Yellow/red Designation plate: With yellow backing plate Closing: MS3 Silicone-free: No	270416
	Ø 39 mm Yellow/red Designation plate: With yellow backing plate Closing: MS4 Silicone-free: Yes	274101
	Ø 39 mm Yellow/red Designation plate: With yellow backing plate Closing: MS4 Silicone-free: No	270417

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