Control and signalling devices

Contact element for installat. on mount. rail

Ex e

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

MY R. STAHL **8082A**   ⟨Ex⟩

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	
Application range (zones)	1, 2
IECEx gas certificate	IECEx PTB 06.0011U
IECEx gas explosion protection	Ex db eb IIC T6 Gb
IECEX firedamp certificate	IECEx PTB 06.0011U
IECEx firedamp protection	Ex db eb I Mb
ATEX gas certificate	PTB 00 ATEX 1031 U
ATEX gas explosion protection	⟨Ex⟩ II 2 G Ex db eb IIC T6 Gb
ATEX firedamp certificate	PTB 00 ATEX 1031 U
ATEX firedamp protection	⟨Ex⟩ I M2 Ex db eb I Mb
UL gas certificate	E182378V1S1
Inmetro gas certificate	ULBR130645U
Certificates	ATEX (PTB), Brazil (ULB), Canada / USA (UL), Canada (UL), China (CQST), IECEx (PTB), Korea (KTL), SIL (exida)
Notes	Product label may vary. Series devices are labelled with ATEX, IECEx, NEC and CE Code.
Functional Safety	
SIL-capable	without actuators or with actuators 8602/3-006, 8602/3-009, 8602/3-010, 8602/3-012
Electrical Data	
Max. rated operational voltage	550 V
Min. rated operational voltage	24 V
Rated operational voltage AC UL	600 V
Rated operational current	150 mA / 10 A
UL rated operational current	600 A
Electrical service life	10^6 operating cycles
Mechanical service life	10^6 operating cycles
Switching capacity AC-12	250 V / 10 A 400 V / 7.5 A 550 V / 5 A

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Electrical Data

Switching capacity AC-15	110 V / 10 A
	250 V / 6 A
	400 V / 4 A
Switching capacity DC-13	60 V / 6 A
Switching capacity DC-13<SoftReturn/>2 contact elements in series	230 V/1 A
	110 V/2.5 A

Ambient Conditions

Ambient temperature	-60 °C ... +70 °C (T6)
Operating temperature	-60 °C ... +100 °C

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 mm²
Solid connection cross section	0.75 – 2.5 mm²
Finely stranded connection cross section	0.75 – 2.5 mm²
Connection cross-section, finely stranded with core end sleeve	0.75 – 2.5 mm²
Number of NCs	1
Positive opening operation	Yes
Contacts	1 NC
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
Connection type	Screw terminal
Max. USA solid connection terminals	14 AWG

Technical Drawings – Subject to Alterations

NC

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

Punch pattern
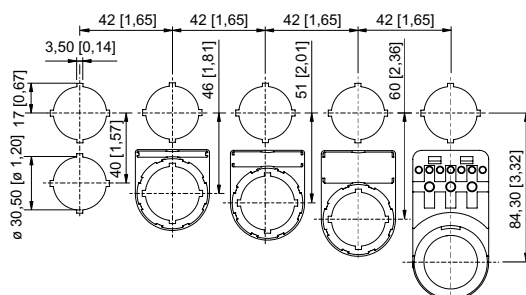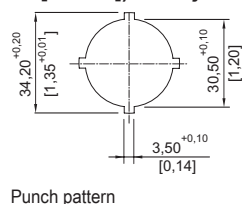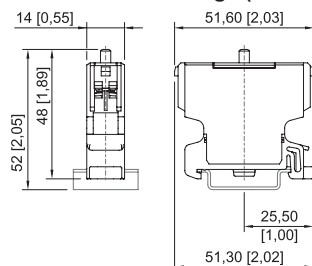
Cut-out with/without additional designation plate

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Accessories

Pushbutton BG001		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 BG003		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

Mushroom pushbutton, red BG004		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 BG006		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

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 |

Mushroom stay-put button with EM-STOP key
BG009		**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 EM-STOP
BG010		**Art. No.**

| | 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		**Art. No.**

| | 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

		Art. No.
	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

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

Mushroom stay-put button 55 mm EM-STOP
BG015

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

Twin pushbutton
BG023

		Art. No.
	Black Front panel mounting Silicone-free: Yes	244638
	Black Front panel mounting Silicone-free: No	244639

Mushroom pushbutton, 55 mm, black
BG703

		Art. No.
	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

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Small rotary actuator, not lockable		
BG726		**Art. No.**
	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		**Art. No.**
	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	244647

Small rotary actuator, not lockable		
BG726		**Art. No.**
	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: Latching / Latching / Latching Silicone-free: No	244649

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Rotary actuator, small, lockable

BG727		**Art. No.**
	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

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

Spare Parts

Mushroom stay-put button with key

BG006	**Art. No.**

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: 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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	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 EM-STOP key
BG009   **Art. No.**

	Ø 39 mm Yellow/red Designation plate: With yellow backing plate Closing: MS2 Front panel mounting Silicone-free: Yes	274099
	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

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.

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