

Actuators for safety switches NX/TX

- > Actuators made of stainless steel
- ► Two stainless safety screws per actuator
- With rubber bush

Straight actuator

The straight actuator is used on sliding doors or hinged doors with door radii greater than 300 mm. Safety screws prevent unscrewing of the actuator.

Actuator with overtravel

- **2 mm** for doors with normal play
- 7 mm for doors with large play (optional)

Actuators with rubber bushings

For flexible mounting of the actuator.

Hinged actuator

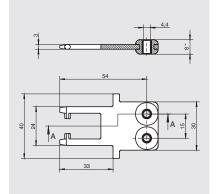
For door radii less than 300 mm a hinged actuator should be used. The spring action movement of the actuator prevents damage due to the actuator jamming in the actuating head. Depending on the movement of the safety guard, the actuator must be selected for left/right or top/bottom.

Screws made of stainless steel

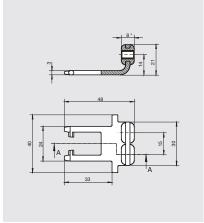
The safety screws included can be inserted with a normal tool, but cannot be removed again.

Actuator X-GQ straight Rubber bush, overtravel 2 mm

Dimension drawings

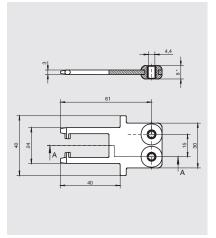


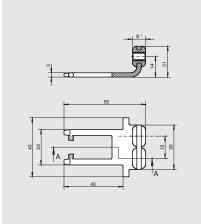
Actuator X-WQ bent Rubber bush, overtravel 2 mm



Actuator X-GNQ straight Rubber bush, overtravel 7 mm

Actuator X-WNQ bent Rubber bush, overtravel 7 mm



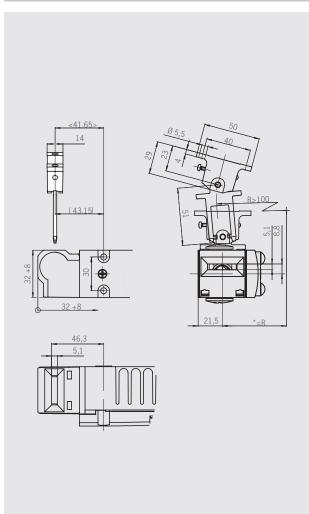


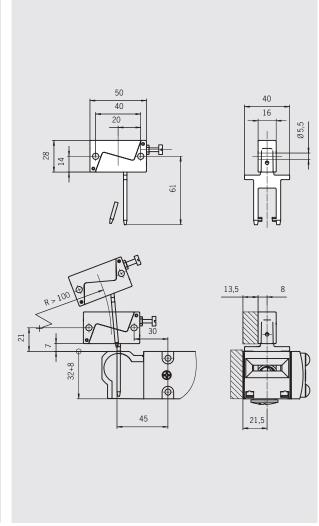
Designation	Version	Min. door radius r [mm]	Packaging unit	Order No.
Actuator straight rubber bush	X-GQ Overtravel 2 mm incl. 2 safety screws M4 x 14	300	1 ea.	079 739 ACTUATOR-X-GQ
Actuator bent rubber bush	X-WQ Overtravel 2 mm incl. 2 safety screws M4 x 14	300	1 ea.	079 740 ACTUATOR-X-WQ
Actuator straight rubber bush, overtravel	X-GNQ Overtravel 7 mm incl. 2 safety screws M4 x 14	440	1 ea.	079 741 ACTUATOR-X-GNQ
Actuator bent rubber bush, overtravel	X-WNQ Overtravel 7 mm incl. 2 safety screws M4 x 14	440	1 ea.	079 742 ACTUATOR-X-WNQ

^{*} The dimension 8 relates to the fitted state

Hinged actuator X-LR-N Safety guard hinged on the right/left

Hinged actuator X-OU-N Safety guard hinged at bottom/top





Designation	Version	Min. door radius r [mm]	Packaging unit	Order No.
	X-LR-N Safety guard hinged on the right or left incl. 2 safety screws M5 x 10	≥ 100	1 ea.	098 082 HINGED ACTUATOR-X-LR-N
Hinged actuator	X-OU-N Safety guard hinged at top or bottom incl. 2 safety screws M5 x 10	≥ 100	1 ea.	097 906 HINGED ACTUATOR-X-OU-N



Miscellaneous accessories

- Lockout bar
- Insertion funnel

Lockout bar

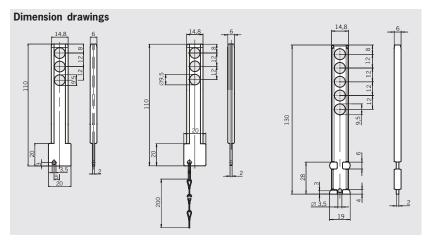
With the safety door open, can be slid into the actuating head on a switch with separate actuator instead of an actuator. Removal can be prevented using a commercially available padlock. For the protection of people in areas with a possible hazard.

Cannot be used in combination with the protective plate.

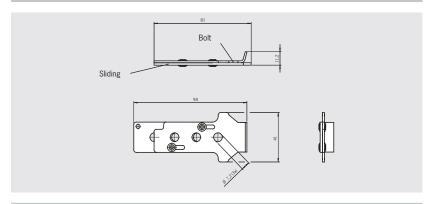
Insertion funnel

If an insertion funnel is used, even inexactly positioned actuators are inserted reliably in the actuating head due to the large opening aperture, thus protecting the safety switch against mechanical influences.

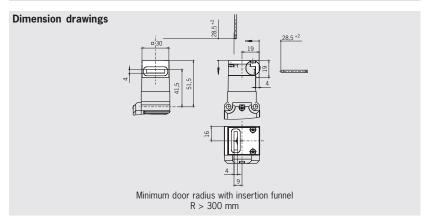
Lockout bars for safety switches NZ..VZ and TZ



Lockout bar for safety switches NX and TX



Insertion funnel for safety switches STA/STP



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Designation	Version	Use	Order No.
	3 holes	For safety switches series NZVZ and TZ	046 730
		without protective plate	Lockout bar Z
	3 holes	For safety switches series NZVZ and TZ	091 305
Lockout bar	with chain	without protective plate	Lockout bar with chain
	5 holes	For safety switches series NZVZ and TZ	086 538
	o noies	without protective plate	Lockout bar Z
	3 holes	For safety switches NX and TX	096 098
	2 110162	FOR Safety Switches NA and TA	Lockout bar TX
Insertion funnel	Incl.	For safety switches	093 157
	2 fastening screws	STA/STP	Insertion funnel STA





Bolts for safety guards

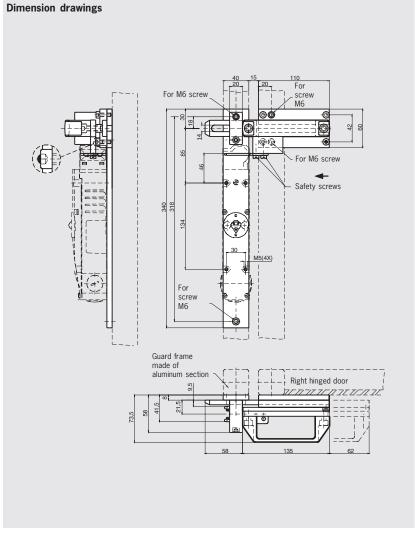
- ► For safety switches TX and NX
- ► For right or left hinged doors



Features

- Easily fitted to standard aluminum profiles and machine covers by screw connection Distinctive yellow color for easy recognition
- No additional door handle necessary
- Slot on the bolt tongue permits attachment of padlocks

Bolt for safety switches series TX and NX



Designation	Detent mechanism	Version	Order No.
Bolt TX-A	None	Without escape release, for right hinged doors	082 990
BOIT IX-A	None	actuator and switch bracket included	Bolt TX-A
Dolt TV C	None	Without escape release, for left hinged doors	082 991
Bolt TX-C	None	actuator and switch bracket included	Bolt TX-C

Technical Data **EUCHNER**

Accessories for safety switches

Solenoid plug	3-pin	
Parameter	Value	Unit
Housing material	Plastic	
Number of pins	3 (2 + PE)	
Nominal voltage max.	240	V AC/DC
Degree of protection according to IEC 60529 (inserted)	IP 65	
Connection	Pillar terminals and tab terminals	

SS4 Parameter	4-pin Value	Unit
Housing material	Brass matt chromium plated	
Number of pins	4 (3 + PE)	
Cable diameter	6 - 8	mm
Nominal voltage max.	250	V AC/DC
Degree of protection according to IEC 60529 (inserted)	IP 67	
Connection	Soldered connections	

SR6	7-pin	
Parameter	Value	Unit
Housing material	Plastic	
Number of pins	7 (6 + PE)	
Cable diameter	7 - 9	mm
Nominal voltage max.	250	V AC/DC
Degree of protection according to IEC 60529 (inserted)	IP 65	
Connection	Crimp contacts 0.5 to 1.5 mm ²	

SR11	12-pin	
Parameter	Value	Unit
Housing material	Plastic	
Number of pins	12 (11 + PE)	
Cable diameter	8 - 10	mm
Nominal voltage max.	50	V AC/DC
Degree of protection according to IEC 60529 (inserted)	IP 65	
Connection	Crimp contacts 0.5 to 1.5 mm ²	

RC18	19-pin	
Parameter	Value	Unit
Housing material	Metal	
Number of pins	19 (18 + PE)	
Cable diameter	10 - 14	mm
Nominal voltage max.	32	V AC/DC
Degree of protection according to IEC 60529 (inserted)	IP 65	
Connection	19 crimp contacts 0.75 to 1.0 mm ²	

RC18C1825	□ 19-pin	
Parameter	Value	Unit
Housing material	Metal	
Number of pins	19 (18 + PE)	
Cable diameter	10 - 14	mm
Nominal voltage max.	32	V AC/DC
Degree of protection according to IEC 60529 (inserted)	IP 65	
Connection	16 crimp contacts 0.38 to 0.5 mm ² 3 crimp contacts 0.75 to 1.0 mm ²	

M12 with cable (SGLF, SWLF)	5-pin	
Parameter	Value	Unit
Housing material	Metal / plastic	
Number of pins	5	
Nominal voltage max.	30	V AC/DC
Degree of protection according to IEC 60529 (inserted)	IP 68	
Connection	5 open cable ends	