Accessories **EUCHNER**

Selection table for accessories

Actuators

Insertion funnels

Montageplatten/Montagewinkel

Connect	tion			
SGLF				Plug connector; M12; 4-pin
	SR6			Plug connector; 6-pin + PE
		SR11		Plug connector; 11-pin + PE
			RC18	Plug connector; 18-pin + PE

Cable glands

LED displays

Miscellaneous

Bolts for safety guards

		Mounting plates/	Plug connectors		Cable LED	Miscella-	Во	Bolts				
Actuators	funnels	mounting brackets	SGLF	SR6	SR11	RC18	glands	displays	neous	Metal	Plastic	Page
•												74 - 82
	•											83
		•										84 / 85
			•									85
				•								86
					•							86
						•						87 / 88
							•					89
								•				89
									•			90 - 92
										•		93 - 96
											•	97



Actuators for safety switches NP/GP/TP

- Actuators made of stainless steel
- ► Two stainless safety screws per actuator
- Actuators with optional rubber bushings

Straight actuator

The straight actuator is used on sliding doors or hinged doors with door radii greater than 1000 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)

Actuator with rubber bush

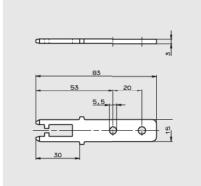
For flexible mounting of the actuator.

Screws made of stainless steel

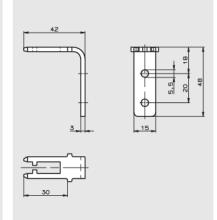
The safety screws included can be inserted with a normal tool, but cannot be removed again.

Actuator P-G straight Overtravel 2 mm

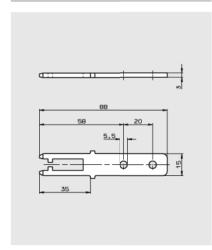
Dimension drawings



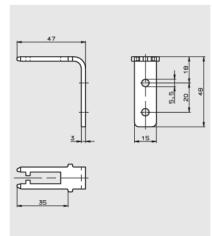
Actuator P-W bent Overtravel 2 mm



Actuator P-GN straight Overtravel 7 mm

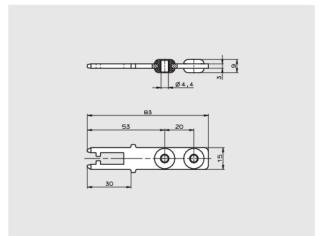


Actuator P-WN bent Overtravel 7 mm



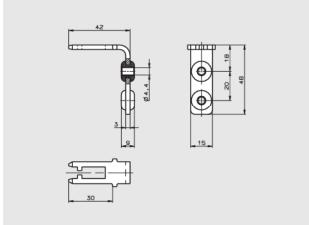
Designation	Version	Min. door radius r [mm]	Packaging unit	Order No.
Actuator straight	P-G Overtravel 2 mm incl. 2 safety screws M5 x 10	1000	1 ea.	059 226 ACTUATOR-P-G
Actuator bent	P-W Overtravel 2 mm incl. 2 safety screws M5 x 10	1000	1 ea.	059 227 ACTUATOR-P-W
Actuator straight overtravel	P-GN Overtravel 7 mm incl. 2 safety screws M5 x 10	1000	1 ea.	074 570 ACTUATOR-P-GN
Actuator bent overtravel	P-WN Overtravel 7 mm incl. 2 safety screws M5 x 10	1000	1 ea.	074 571 ACTUATOR-P-WN

Actuator P-GT straight Rubber bush, overtravel 2 mm

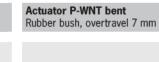


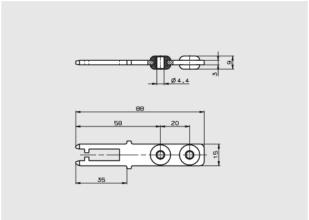
Actuator P-WT bent

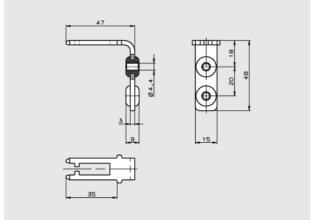
Rubber bush, overtravel 2 mm



Actuator P-GNT straight Rubber bush, overtravel 7 mm







Designation	Version	Min. door radius r [mm]	Packaging unit	Order No.
Actuator straight rubber bush	P-GT Overtravel 2 mm incl. 2 safety screws M4 x 14	1000	1 ea.	070 046 ACTUATOR-P-GT
Actuator bent rubber bush	P-WT Overtravel 2 mm incl. 2 safety screws M4 x 14	1000	1 ea.	070 038 ACTUATOR-P-WT
Actuator straight rubber bush, overtravel	P-GNT Overtravel 7 mm incl. 2 safety screws M4 x 14	1000	1 ea.	074 576 ACTUATOR-P-GNT
Actuator bent rubber bush, overtravel	P-WNT Overtravel 7 mm incl. 2 safety screws M4 x 14	1000	1 ea.	074 577 ACTUATOR-P-WNT



Hinged actuators for safety switches NP/GP/TP

- Actuators made of stainless steel
- ► Two stainless safety screws per actuator
- ► For top and bottom hinged doors
- ► For right and left hinged doors

Hinged actuator

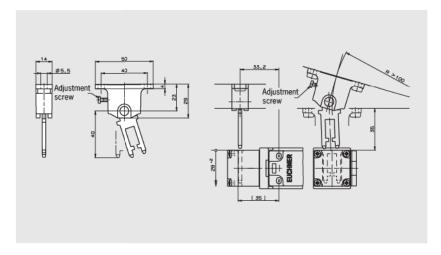
For door radii less than 1000 mm a hinged actuator should be used. The spring action movement of the actuator prevents damage due to the actuator jamming in the actuating head. Depending on the movement of the safety guard, the actuator must be selected for left/right or top/bottom.

Hinged actuator P-OU

Safety guard hinged at top/bottom, overtravel 2 mm

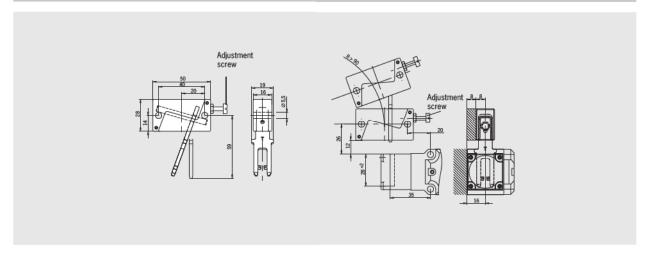
Dimension drawings Adjustment Adjustment screw

Hinged actuator P-LR Safety guard hinged on left/right, overtravel 2 mm

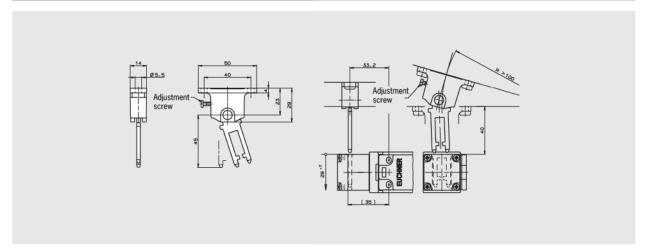


Designation	Version	Min. door radius r [mm]	Packaging unit	Order No.
Want asked	P-OU For top and bottom hinged doors overtravel 2 mm incl. 2 safety screws M5 x 25	90	1 ea.	070 050 HINGED ACTUATOR P-OU
Hinged actuator	P-LR For left and right hinged doors overtravel 2 mm incl. 2 safety screws M5 x 10	100	1 ea.	059 440 HINGED ACTUATOR P-LR

Hinged actuator P-OUN Safety guard hinged at top/bottom, overtravel 7 mm



Hinged actuator P-LRN Safety guard hinged on left/right, overtravel 7 mm



Designation	Version	Min. door radius r [mm]	Packaging unit	Order No.
	P-OUN For top and bottom hinged doors overtravel 7 mm incl. 2 safety screws M5 x 25	90	1 ea.	074 572 HINGED ACTUATOR P-OUN
Hinged actuator	P-LRN For left and right hinged doors overtravel 7 mm incl. 2 safety screws M5 x 10	100	1 ea.	074 573 HINGED ACTUATOR P-LRN

Insertion funnels/adapters

- Insertion funnel
- Adapter NP-K

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.

- Cannot be used in conjunction with TP safety switches with increased overtravel from top
- The insertion funnel for TP can only be used in conjunction with an actuator with long overtravel
- The insertion funnel for STP can only be used in conjunction with an actuator for insertion funnel

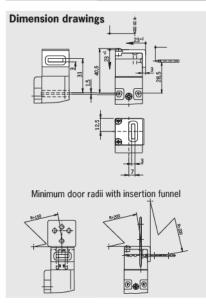
Adapter NP-K

The adapter NP-K is used for top entry overtravel applications for the NP series.

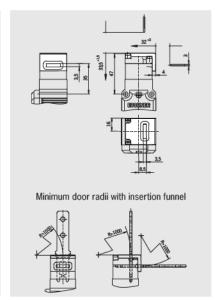
- The adapter cannot be used for safety switches of the GP/TP series
- 4 screws 3 x 38 (not safety screws) are supplied

Insertion funnel

For safety switches NM..VZ

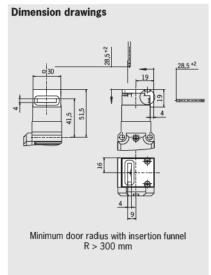


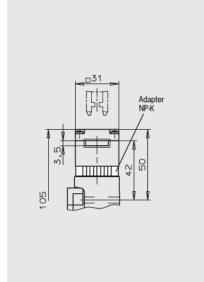
Insertion funnel For safety switches NP..A/GP/TP..A



Insertion funnel For safety switches SGP/STA/STP/STM

Adapter NP-K For safety switches NP





Designation	Version	Use	Order No.
		For safety switches	083 565
		NMVZ	Insertion funnel M
In	Incl.	For safety switches	086 237
Insertion funnel	2 fastening screws	NPA/GP/TPA without adapter	Insertion funnel NP/GP/TP
		For safety switches	093 157
		SGP/STA/STP/STM	Insertion funnel STP/STM
Adapter NP-K	Incl.	E () ND	074 578
	4 fastening screws	For safety switches NP	Adapter NP-K

EUCHNER

Mounting bracket for safety switches NM and NP...AS

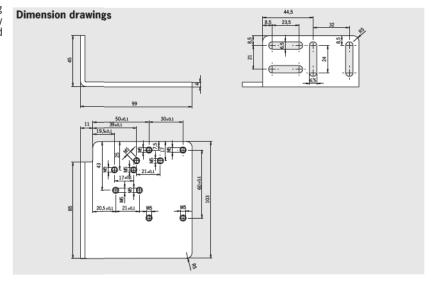
 For vertical and horizontal mounting of safety switches NM and NP...AS

The mounting bracket is used for fastening safety switches NM and NP...AS to safety guards. The safety switches can be attached horizontally or vertically.

Notes

Mounting plate material: St37 galvanized

Mounting bracket For safety switches series NM and NP...AS



Ordering table

Designation	Use	
Mounting bracket	For safety switches series NM and NPAS	085 753
NM, NP	horizontal and vertical mounting	Mounting bracket NM, NP

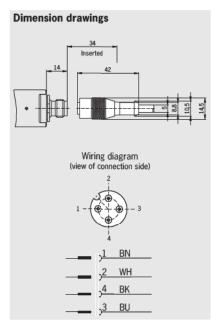
Plug connector M12

- Plug connector M12 with cable
- ▶ 90° angled optional

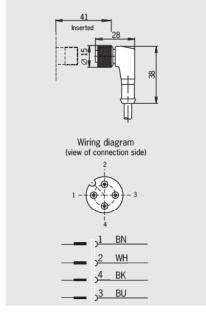
Cable

Cable sleeve PUR, color black, halogenfree, flame retardant. Reduction of toxic gases and smoke in case of fire. Wire cross-section 0.25 mm².

Plug connector SGLF with cable M12 plug, 4-pin



Plug connector SWLF with cable M12 plug, 4-pin



Designation	Number of pins	Version	Cable length 5 m
SGLF	4	Female plug M12 for male plug SM4	035 613 SGLF4-5000P
SWLF	4	Female plug M12 bent for male plug SM4	035 618 SWLF4-5000P

Plug connectors SR6 and SR11

- Plugs and sockets
- Crimp contacts
- ▶ 90° angled optional
- Cable optional
- Coding shells

Angled plug connector

On plug connectors without cables the direction of the cable exit can be chosen.

Male socket

For fitting in safety switches.

Coding shells

Two coding shells and screws. If used only matching connectors can be mated.

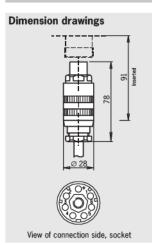
Cable (optional)

Cable sleeve PUR, color gray, wire cross-section 1.0 mm² (individual lines numbered).

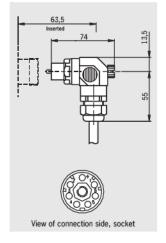
Pin assignment for plug with cable

S	R6	SR	11
Pin	Wire	Pin	Wire
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
(7	7	7
		8	8
		9	9
		10	10
		11	11
		(12

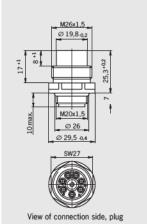
Female plug SR6 EF 6-pin + PE



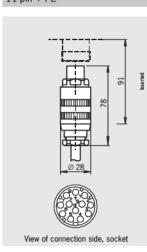
Female plug SR6 WF angled 6-pin + PE



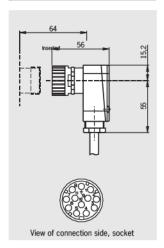
Male socket SR6 AM 6-pin + PE



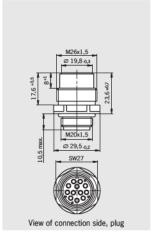
Female plug SR11 EF 11-pin + PE



Female plug SR11 WF angled 11-pin + PE



Male socket SR11 AM 11-pin + PE



Darden etter	W!	Cable					
Designation	Version	None	5 m	10 m	15 m	25 m	
	EF	013 176	077 632	077 633	077 634		
	Female plug	SR6EF	SR6EF-5000	SR6EF-10000	SR6EF-15000	_	
	WF	024 999	077 638	077 639	077 640		
SR6 1)	Female plug angled	SR6WF	SR6WF-5000	SR6WF-10000	SR6WF-15000	_	
6-pin + PE	К	013 178					
	Coding shells	SR6K	-	_	_	_	
	AM	087 180					
	Male socket, connection M20 x 1.5	SR6AM2-M20	_	_	_	_	
	EF	070 859	077 629	077 630	077 631	094 749	
	Female plug	SR11EF	SR11EF-5000	SR11EF-10000	SR11EF-15000	SR11EF-2500	
SR11 1)	WF	054 773	077 635	077 636	077 637		
11-pin + PE	Female plug angled	SR11WF	SR11WF-5000	SR11WF-10000	SR11WF-15000	_	
	AM	091 296					
	Male socket, connection M20 x 1.5	SR11AM2-M20	_	_	_	_	
SR6 and SR11	Socket crimp contacts 071 260		-	-	-	-	
	Pin crimp contacts Wire cross-section 0.5 - 1.5 mm	071 261 SRM	-	_	_	_	

¹⁾ Crimp contacts supplied. For information on crimp contacts see page 98.





Plug connectors RC18

- ▶ 90° angled optional
- Cable optional
- ► Halogen-free cable optional

Crimp contacts

With 19 crimp pins for wire cross-section $0.75 - 1.00 \text{ mm}^2$.

Plug connector angled (optional)

On plug connectors with cables the direction of the cable exit can be chosen on left/right. On plug connectors without cables the direction can be adjusted.

Cable (optional)

Cable sleeve PUR, color black, wire cross-section $0.5\ mm^2$ or $1.0\ mm^2$.

Cable halogen-free (optional)

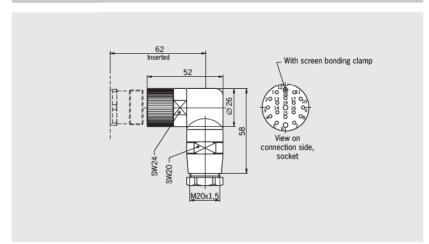
Cable sleeve PUR, color black, halogen-free, silicone-free. Reduction of toxic gases and smoke in case of fire.

Wire cross-section 0.5 mm² or 1.0 mm².

Female plug RC18..C1825 18-pin + PE

Maßzeichnungen With screen bonding clamp Sw20 Wiew on connection side, socket

Female plug RC18..C1825 angled 18-pin + PE



Ordering table

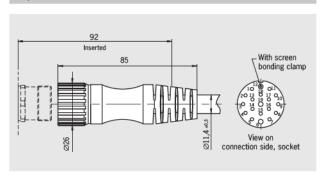
ordering table		
Designation	Version	Without cable
	EF-C1825	077 025
	Female plug	RC18EF-C1825
	WF-C1825	077 026
RC18 ²⁾	Female plug angled	RC18WF-C1825
	Replacement socket	
18-pin + PE	crimp contacts	
	Wire cross-section	094 310
	16 x 0.38 - 0.5 mm ²	Pin crimp contact RCM-C1825
	3 x 0.75 - 1 mm ²	

For information on crimp contacts see page 98. 2) Crimp contacts are included.

Female plug RC18 / RC18..C1825 with cable $18\mbox{-}\mathrm{pin}$ + PE

Dimension drawings 78 With screen bonding clamp View on connection side, socket

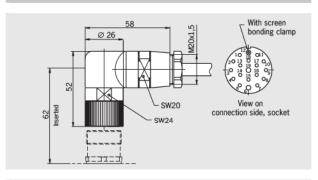
Female plug RC18 / RC18..C1825 with cable halogen-free $18\mbox{-pin} + \mbox{PE}$



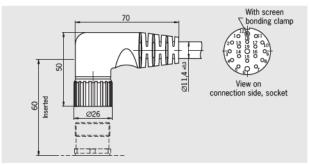
Pin assignment plug RC18 with cable and option C1825

Pin	Wire color	Wire cross-section [mm]
1	VT	0.5
2	RD	0.5
3	GY	0.5
4	RD/BU	0.5
5	GN	0.5
6	BU	1.0
7	GY/PK	0.5
8	GN/WH	0.5
9	YE/WH	0.5

Female plug RC18 / RC18..C1825 angled with cable 18-pin + PE



Female plug RC18 / RC18..C1825 angled with cable halogen-free $18\mbox{-pin} + \mbox{PE}$



10	GY/WH	0.5
11	BK	0.5
12	GN/YE	1.0
13	PK	0.5
14	BN/GY	0.5
15	BN/YE	0.5
16	BN/GN	0.5
17	WH	0.5
18	YE	0.5
19	BN	1.0

Ordering t	able
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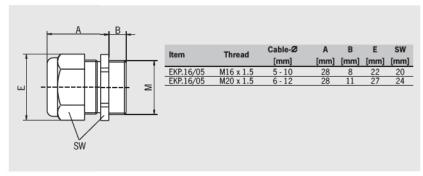
Oracii	Cable									
Desig.	Version	1.5 m	3 m	6 m	8 m	10 m	15 m	20 m	25 m	30 m
	EF-C1825	092 761	092 816	077 014	077 015	092 898	077 016	092 726	092 727	095 993
	Female plug	RC18EF1,5M-C1825	RC18EF3MC1825	RC18EF6M-C1825	RC18EF8M-C1825	RC18EF10M-C1825	RC18EF15M-C1825	RC18EF20M-C1825	RC18EF25M-C1825	RC18EF30M-C1825
	WFL-C1825									
RC18	Female plug	092 906	092 908	077 018	077 019	092 901	077 020	092 910	092 912	
+ PE	angled left	RC18WF1,5ML-C1825		RC18WF6ML-C1825	RC18WF8ML-C1825	RC18WF10ML-C1825			RC18WF25ML-C1825	-
cable	WFR-C1825									
cubic	Female plug angled cable exit	092 907 RC18WF1,5MR-C1825	092 909 RC18WF3MR-C1825	085 194 RC18WF6MR-C1825	085 195 RC18WF8MR-C1825	092 902 RC18WF10MR-C1825	085 196 RC18WF15MRC1825	092 911 RC18WF20MR-C1825	092 913 RC18WF25MR-C1825	-
	right									
	EFF-C1825	092 883	092 884	092 885	092 886	092 887	092 888	092 889	092 890	
	Female plug	RC18EF1,5MF-C1825	RC18EF3MF-C1825	RC18EF6MF-C1825	RC18EF8MF-C1825	RC18EF10MF-C1825	RC18EF15MF-C1825	RC18EF20MF-C1825	RC18EF25MF-C1825	
RC18	WFLF-C1825									
18-pin	Female plug	092 891	092 893	092 697	092 895	092 699	092 701	092 704	092 724	
+ PE	angled cable exit	RC18WF1,5MLF-C1825	RC18WF3MLF-C1825	RC18WF2MLF-C1825	RC18WF8MLF-C1825	RC18WF10MLF-C1825	RC18WF15MLF-C1825	RC18WF20MLF-C1825	RC18WF25MLF-C1825	_
with	left									
cable halogen-	WFR-C1825									
free	Female plug	092 892	092 894	092 698	092 896	092 700	092 702	092 708	092 725	
	angled	RC18WF1,5MRF-C1825		RC18WF6MRF-C1825					RC18WF25MRF-C1825	-
	cable exit									
	right				L					

Cable glands

- ► M16 x 1.5
- ► M20 x 1.5

Cable glands

Suitable for various cable diameters. Versions available in plastic and metal.



Ordering table

or dorning tubio				
Thread	V!	Material		
inread	Version	Metal	Plastic	
M16 1 E	Cable diameter	-	084 572	
M16 x 1.5	5 – 10 mm		EKPM16/05	
M20 x 1.5	Cable diameter		086 233	
	6 – 12 mm	-	EKPM20/06	

LED displays for safety switches GP/TP and STP

- ▶ LED set
- ▶ Built-in LED

LED set

Consisting of cover with lamp caps, LED module with rectifier and two LEDs (green/red). For retrofitting safety switches TP and STP with an LED display.

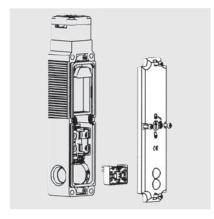
Operating voltage AC/DC 24 V +10%, -15%.

Built-in LED

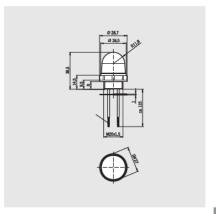
The built-in LED is suitable for direct installation in one of the M20 x 1.5 threads of the three cable entries of the safety switches GP/TP/STP. The built-in LED indicates to the user whether the switch is locked or whether the door is open/closed.

The switching element can be wired individually. Operating voltage DC 24 V +10%, -15%.

LED set For safety switches TP/STP



Built-in LEDFor safety switches GP/TP/STP/STA



Designation	Version	Use	Packaging unit	Order No.
	Incl. cover with lamp caps and LED module with	For safety switches TP	1 ea.	093 752 LED set TP
LED set	rectifier and 2 LEDs (red/green)	For safety switches STP	1 ea.	098 035 LED set STP
Built-in LED	Color red for cable entry M20 x 1.5, with seal light radiation to side	For safety switches GP/TP/STA/STP	1 ea.	087 423 LED M20x1.5
(IP65)	Color red for cable entry M20 x 1.5, with seal light radiation to front	For safety switches GP/TP/STA/STP	1 ea.	095 510 LED-F M20x1.5



Miscellaneous accessories

- Latch spring for increased retention force
- Lockout bar
- ► Lock for mechanical release

Latch spring

Provides an increased retention force of approx. 30N for the safety switches NP and GP or TP in unlocked condition.

May only be used in conjunction with the straight actuator with rubber bush (Order No. 070 046).

Lockout bar

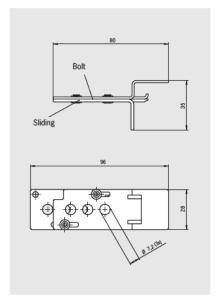
With the safety door open, can be slid into the actuating head on a switch with separate actuator (NP/GP/TP) instead of an actuator. Removal can be prevented using a commercially available padlock (max. 2 ea.). For the protection of people in areas with a possible hazard.

Latch spring for increased retention force For safety switches NP/GP/TP

Installation example

min.ø10

Lockout bar For safety switches NP/GP/TP



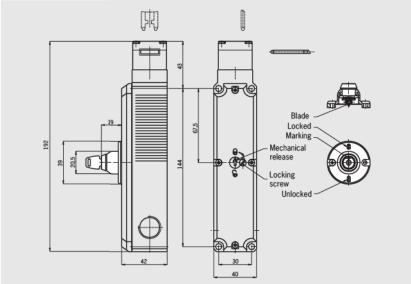
Lock

The lock is used in combination with safety switch TP/STP. The mechanical key release enables authorized personnel to actuate the mechanical release using the related key in certain situations. The unlocking mechanism holds the solenoid in the "unlocked" position. Two screws are used to fix the lock to the cover of the safety switch TP/STP (above the mechanical release).

- Order safety switch TP/STP separately
- 2 keys are included
- Every safety switch of the series TP/STP can be upgraded to include a lock

LockFor safety switches TP/STP





Designation	Version	Use	Order No.
Lockout bar	2 holes	For safety switches NP/GP/TP	096 105 Lockout bar
Latch spring		For safety switches NP/GP/TP	076 501 Latch spring NP/TP
Lock	Unique locking (unique key needed to open)	For safety switches TP/STP	084 177 Lock TP
	Identical locking (identical locks)	For safety switches TP/STP	086 236 Lock TP
	Replacement key (2 ea.) for identical locking	For safety switches TP/STP/SGP-TW	099 434 Replacement key for identical TP



Miscellaneous accessories

- ► Wire front release (bowden)
- ► Handle for wire front release (bowden)
- Safety screws
- ► Replacement screws

Wire front release (bowden)

Flexible routing of the cabling rope permits release of the guard locking in all installation situations.

- Use as emergency unlocking in the case of inaccessible mounting of the safety switch.
- Use as escape release for release of the guard locking from within the danger area.
- Can be retrofitted on all safety switches series TP/STP.

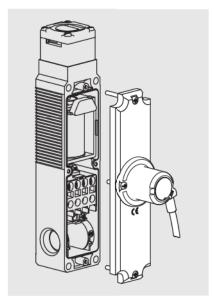
Safety screws

To prevent unscrewing of actuators and actuating heads. The screws can be tightened using a normal tool, but cannot be removed again.

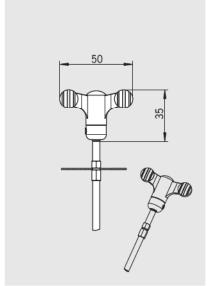
Replacementscrews

For mounting actuating heads (not safety screws).

Front wire release (bowden) For safety switches TP/\$TP



Handle for front wire release For safety switches TP/STP



Designation	Version	Use	Order No.
	Length 3 m (2 m sheathed)	For safety switches TP	096 230 BW-TP-C-2000
Front wire release (bowden)	Length 4 m (3 m sheathed)	For safety switches TP	098 313 BW-TP-C-3000
pre-assembled incl. cover and pull wire	Length 5 m (4 m sheathed)	For safety switches TP	098 314 BW-TP-C-4000
	Length 3 m (2 m sheathed)	For safety switches STP	097 952 BW-STP-C-2000
Handle for wire front release		For safety switches TP/STP	099 795 BW handle
	M5 x 25	For hinged actuators for top and bottom hinged doors of series NMVZ, NP, GP and TP	073 457 M5x25/V100
	M5 x 10 Material: stainless steel	For actuators straight/bent/hinged actuators for right and left hung doors of series NMVZ, NP, GP and TP	073 455 M5x10/V100
Safety screws	M4 x 14	For all actuators in series NMVZ	074 063 M4x14/V100
VPE: 100 ea.	M4 x 14 Material: stainless steel	For actuators straight/bent/hinged with bush of series NP, GP and TP	086 232 M4x14/V100
	PL3x30	Cap screws for series NPA, GP and TPA	075 532 PL3x30/V100
	PL3x26	Cap screws for series NMAL, NMAG, NMAV, NMAV and NMVZ	085 576 PL3x26/V100
	PL3x8	Cap screws for series NMHB, NMKB, NMRB and NMWO	085 577 PL3x8/V100
Replacement screws VPE: 100 ea.	PL3x30 Material: stainless steel	Cap screws for series NPA, GP and TPA	082 237 PL3x30/V100
(not safety screws)	PL3x38	Cap screws for series NPK and TPK	076 755 PL3x38/V100



Bolt for safety guards for safety switches NP, GP and TP

For left or right hinged doors



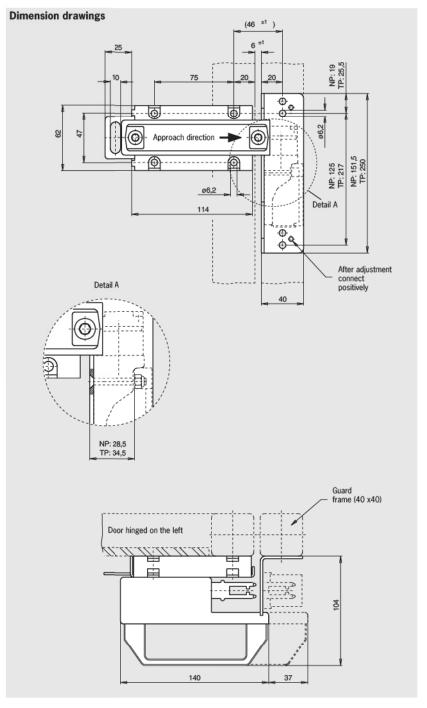
Features

- Easily fitted to standard aluminum profiles and machine covers by screw connection
- Distinctive yellow color for easy recognition
- Symmetrical design for doors hinged on the right or left
- No additional door handle necessary
- Automatic detent mechanism when bolt is moved to the locked position (only available on bolt 1 NP/TP version)
- Detent mechanism prevents unintentional opening of the hinged door
- ► Slot on the bolt permits attachment of padlocks
- ldentical bolt for safety switches series NP...AS and TP...A

Notes

- Switch bracket NP is suitable only for the series NP...AS
- Switch bracket TP is suitable only for the series TP...A and GP
- Actuator included
- Please order safety switch and switch bracket separately

Bolt for safety switches NP..AS/GP.../TP...A



Designation	Detent mechanism	Version	Order No.
Bolt 0 NP/TP	None	For right or left hinged doors	073 535
BOIL O NP/ IP	None	(also for GP)	Bolt 0 NP/TP
Bolt 1 NP/TP	1 x detent	For right or left hinged doors	073 536
	mechanism closed	(also for GP)	Bolt 1 NP/TP
Curitals bus alsot ND		Separate	073 538
Switch bracket NP		Separate	Switch bracket NP
Switch bracket TP		Consents (also for CP)	073 539
		Separate (also for GP)	Switch bracket TP

