Datenblatt / Data Sheet TP4-4141A110MC2287/C2332

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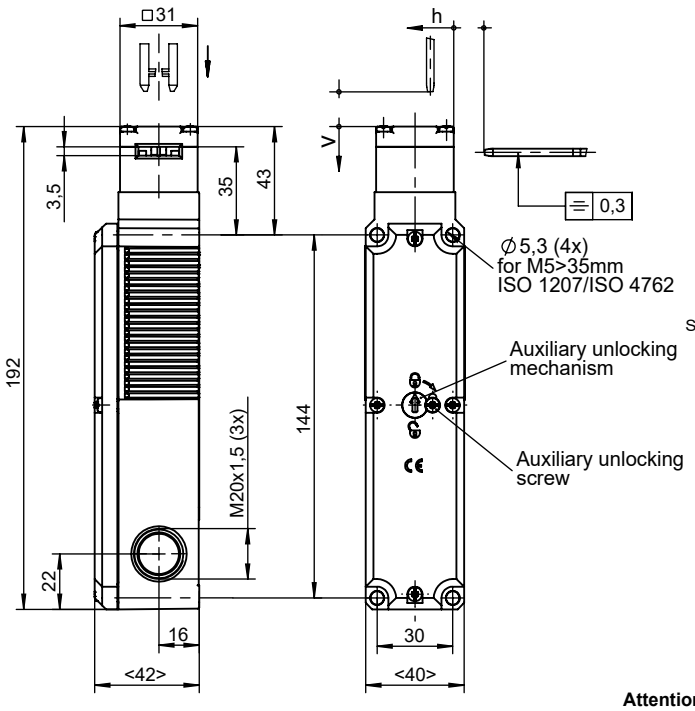
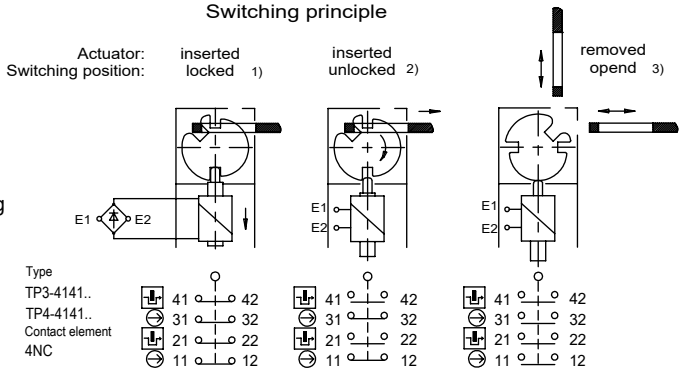


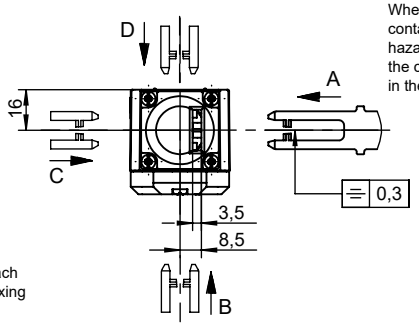
Minimum travel + overtravel		
Approach direction	Actuator standard	Actuator overtravel
horizontal (h) vertical (v)	28 +2 29,5 +1,5	28 +7 ---

The safety switch and actuator must be assembled for installation purposes.

The safety switch must not be used as an end stop!

Switching principle





Approach direction

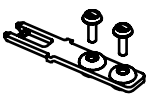
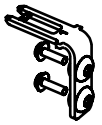
The actuator head can be turned to the desired approach direction after undoing the fixing screws.

Attention:

When locking and/ or unlocking the guard locking, only the contacts 21-22 and 41-42 are actuated. For applications with hazardous states (e.g. overtraveling movements), the contacts 21-22 and/ or 41-42 always have to be integrated in the safety circuit.

Setup:

Close the safety guard. Unlock the guard locking and keep the safety guard closed. The machine must not be induced / initiated for start.

ID-No.	Description	Approuch dirketion	Actuator included
111754	TP4-4141C110MC2332	C	ACTUATOR-P-GT 
111753	TP4-4141A110MC2332	A	
110667	TP4-4141C110MC2287	C	ACTUATOR-P-WNT 
106642	TP4-4141A110MC2287	A	

Technical Data

Please observe the operating instructions (in case of disagreement between data sheet and operating instructions, the information of the data sheet are to be considered)

Parameter	Value	Unit
Housing material	Reinforced thermoplastics (fibreglass)	
Environmental protection to IEC 60529	IP 67	
Mounting position	optional	
Mechanical service life	$1x10^6$ Switching cycles	
Ambient temperature	-20 to +55	°C
Approach speed max.	20	m/min.
Actuating- / extraction- / retention force	10 / 20 / 10	N
Locking force, F max.	1300	N
Locking force Fzh (incl. safety margin acc. to GS-ET-19)	1000	N
Locking method Actuator inserted:	TP3: Mechanically locked, 1) unlocking by applying voltage up to position unlocked. 2)	TP4: Locking 1) by applying voltage. Unlocked 2) without voltage.
Weight	approx. 0,5	kg
Solenoid operating voltage +10% / -15%	AC 110	V
Duty cycle	100	%
Solenoid power consumption	10	W
Switching principle	Dependent action contact element	
Contact material	Silver alloy, gold flashed	
Type of connection	Screw terminal	
Conductor cross-section max.	1,5	mm²
Rated insulation voltage Ui	250	V
Rated impulse withstand voltage Uimp	2,5	kV
Utilization category according to EN 60947-5-1	AC-15 4A 230V DC-13 4A 24V	
Switching voltage min. at 10mA	12	V
Switching current min. at 24 V	1	mA
Conventional thermal current Ith	4	A
Short circuit protection (control circuit fuse)	4A gG	

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