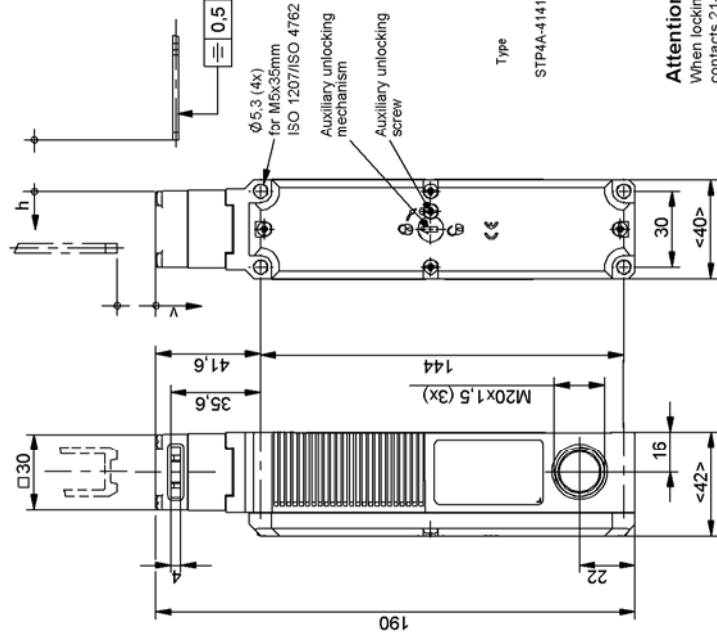


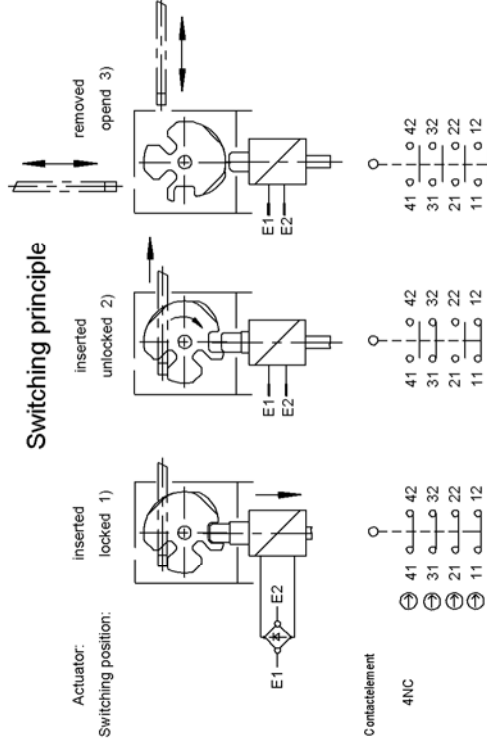
Minimum travel + overtravel	
Approach direction horizontal (h)	Actuator standard 24.5 +5
vertical (v)	24.5 +5

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

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



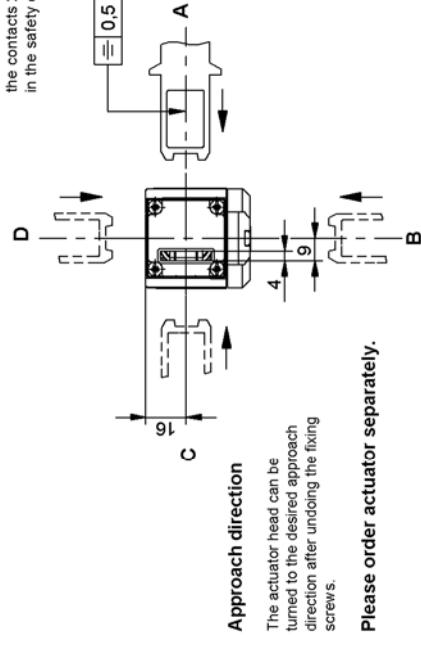
Switching principle



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.



Approach direction

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

Please order actuator separately.

119207	STP4A-4141A120M	A
119210	STP4A-4141A120MV30	A
119208	STP4A-4141C120M	C
119211	STP4A-4141C120MV30	C
119209	STP4A-4141D120M	D
119212	STP4A-4141D120MV30	D
ID-No.	Description	Approach direction

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)

Parameters	Value	Unit
Housing material	Reinforced thermoplastic	
Environmental protection to IEC 60529	IP 67	
Mounting position	optional	
Mechanical service life	1 x 10 ⁸ Switching cycles	
Ambient temperature	-20 to +55	°C
Approach speed max.	20	m/min.
Actuating- / extraction- / retention force	35 / 30 / 20	N
Locking force, max.	2500	N
Locking force F _{2H} (incl. safety margin acc. to GS-ET-19)	2000	N
Locking method		
Actuator inserted:	STP4: Locking 1) by applying voltage. Unlocked 2) without voltage. Open if actuator is removed 3)	

Weight	approx. 0.5	kg
Solenoid operating voltage	AC120	V
Duty cycle	100	%
Solenoid power consumption	6,4	VA
Switching principle	Dependent action contact element	
Contact material	Silver alloy, gold flashed	
Type of connection	Screw terminal / 1,5mm ²	
Rated insulation voltage U _i	250	V
Rated impulse withstand voltage U _{imp}	2,5	kV
Utilization category according to EN 60947-5-1	AC-15 4 A 230 V DC-13 4 A 24 V	
Switching voltage min.	12	V
Switching current min. at 24 V	1	mA
Conventional thermal current I _{th}	4	A
Short circuit protection (control circuit fuse)	4A gG	