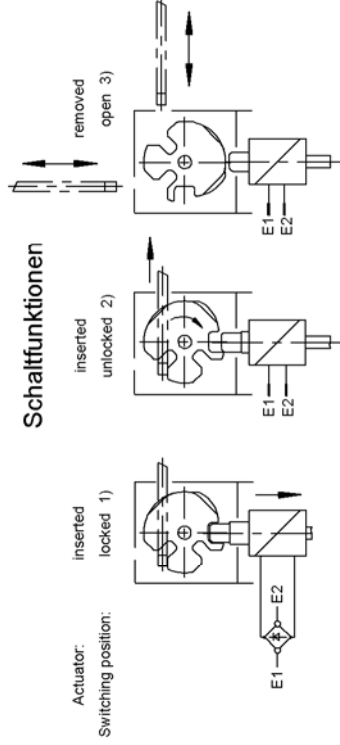


Minimum Travel - overtravel	
Approach direction	Standard actuator
horizontal (h)	24.5 +5
vertical (v)	24.5 +5

The safety switch and actuator must be assembled for installation purposes.  
The safety switch must not be used as an end stop.

### Schaltfunktionen



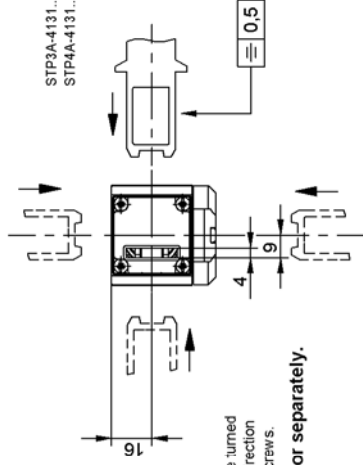
Type	Contact element
STP3A-2131.. 3NC <sup>4)</sup> , 1NO STP4A-2131..	 41 42 33 34 21 22 11 12
STP3A-4121.. 3NC <sup>4)</sup> , 1NO STP4A-4121..	 41 42 31 32 21 22 13 14
STP3A-4131.. 2NC + 2NO STP4A-4131..	 41 42 33 34 21 22 13 14

4) 2 direct opening NC + 1 delayed NC as door contact

### Approach direction

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

Please order actuator separately.



## 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 <sup>6</sup> 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 <sub>zh</sub> (incl. safety margin acc. to GS-ET-19)	2000	N
Locking method	STP1: Mechanically locked, 1) unlocking by applying voltage up to position opened. 3)	
Actuator inserted:	STP3: Mechanically locked, 1) unlocking by applying voltage up to position unlocked 2). Open if actuator is removed 3).	
Weight	approx. 0.5	kg
Solenoid operating voltage	+10% -15%	V
Duty cycle	DC12 AC/DC 24 AC110 AC230	%
Solenoid power consumption	8 8 8 10 11	W
Switching principle	Dependent action contact element	
Contact material	Silver alloy, gold flashed	
Type of connection	Screw terminal / 1,5mm <sup>2</sup>	V
Rated insulation voltage U <sub>i</sub>	250	kV
Rated impulse withstand voltage U <sub>imp</sub>	2.5	
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 <sub>th</sub>	4	A
Short circuit protection (control circuit fuse)	4A gG	