

Maße in mm

Technical Data	
Housing Material	Anodized die-cast alloy
Environment protection to IEC 60529	IP65
Mechanical operations	1 x 10 <sup>6</sup>
Ambient temperature (°C)	-25 bis +80
Mounting position	optional
Approach speed max. (m/min)	20
Operating-/Extraction-/Retainingforce (N)	35 / 30 / 10
Retaining force, locked (N)	1000

Switch Element	
Type	SK2121H, ÜK2121H
Switching principle	Slow action
Switch contacts	see diagram
Contact material	Silver alloy, gold-flashed
Terminal	Plug connector BHA
Max. conductor cross-section (mm <sup>2</sup> )	1,5
Rated insulation voltage U <sub>i</sub> (V)	250
Rated impulse withstand voltage U (kV)	1,5
Utilization category to IEC 60947-5-1	AC-15 I <sub>e</sub> 4A U <sub>e</sub> 230V DC-13 I <sub>e</sub> 4A U <sub>e</sub> 24V
Switching voltage min at 10mA (V)	12
Switching current min. at 24V (mA)	1
Short-circuit protection (control fuse)	4A qG

Solenoid	
Operatin voltage (V $\tilde{\sim}$ ) see type	24
ON time (%)	100
Connected load (W)	7

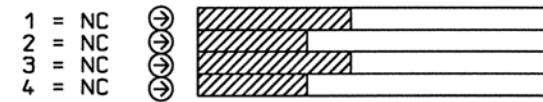
Status LED's	
The operation voltage of the LED's correspond to the supply voltage of the solenoid.	

### Switching diagram

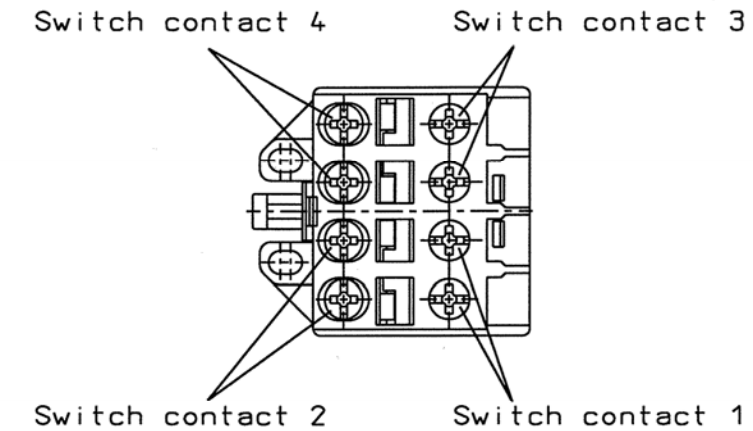
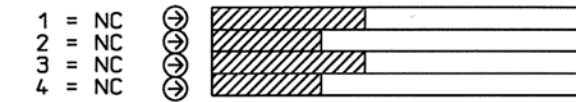
#### Safety Circuit (SK2121H)

#### Control Circuit (ÜK2121H)

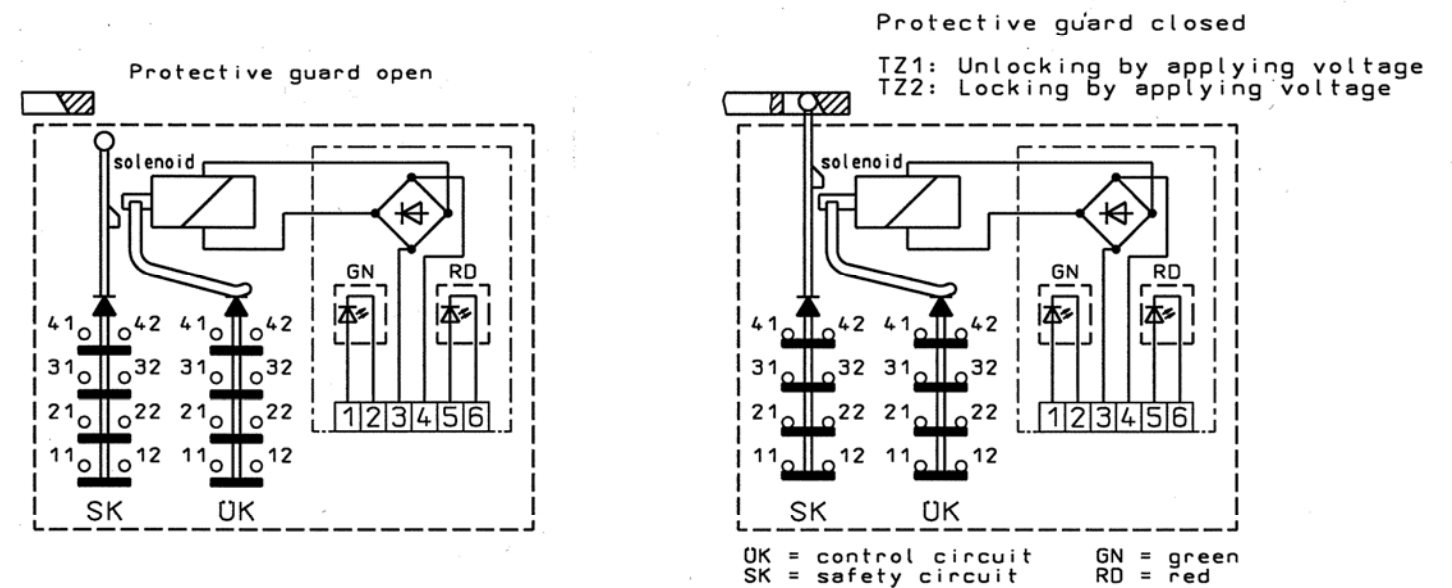
Switch contact



Switch contact



### Switching function



CAD - Zeichnung, keine manuellen Änderungen durchführen!  
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Ausg.	Änd.-Nr.	Datum	Name	Datum	Name	Technische Änderungen vorbehalten Subject to technical modifications	Maßstab
2	02185	07.03.02	Raff	Bearbeitet 06.12.01	Raff		
3	04057	09.02.04	Raff	Geprüft 31.08.09	Linsner		Blatt 2 von 2
4	04245	19.07.04	Raff	Genehmigt			
5	08847	31.08.09	Linsner				
Ersetzt durch						Ersetzt für	
						Benennung <b>Safety Switch with solenoid interlock</b>	Zeichnungs-Nr. <b>086116</b>
						Bemerkung TZ.R...BHA-C1971	Klasse-Nr. 112G