

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

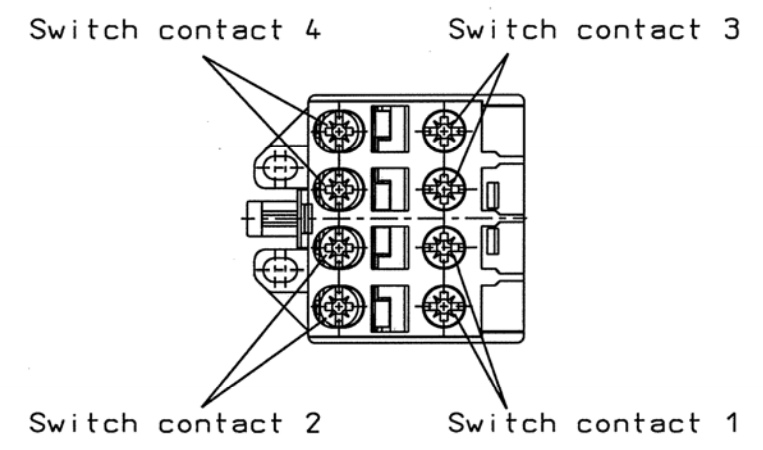
Switch Element	
Type	SK2121H, ÜK2121H
Switching principle	Slow action
Switch contacts	see diagram
Contact material	Silver alloy, gold-flashed
Terminal	Plug connector BHA
Max. conductor cross-section (mm <sup>2</sup> )	1,5
Rated insulation voltage U <sub>i</sub> (V)	250
Rated impulse withstand voltage 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 (coltrol fuse)	4A qG

Solenoid	
Operatin voltage (V $\sim$ ) 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.	

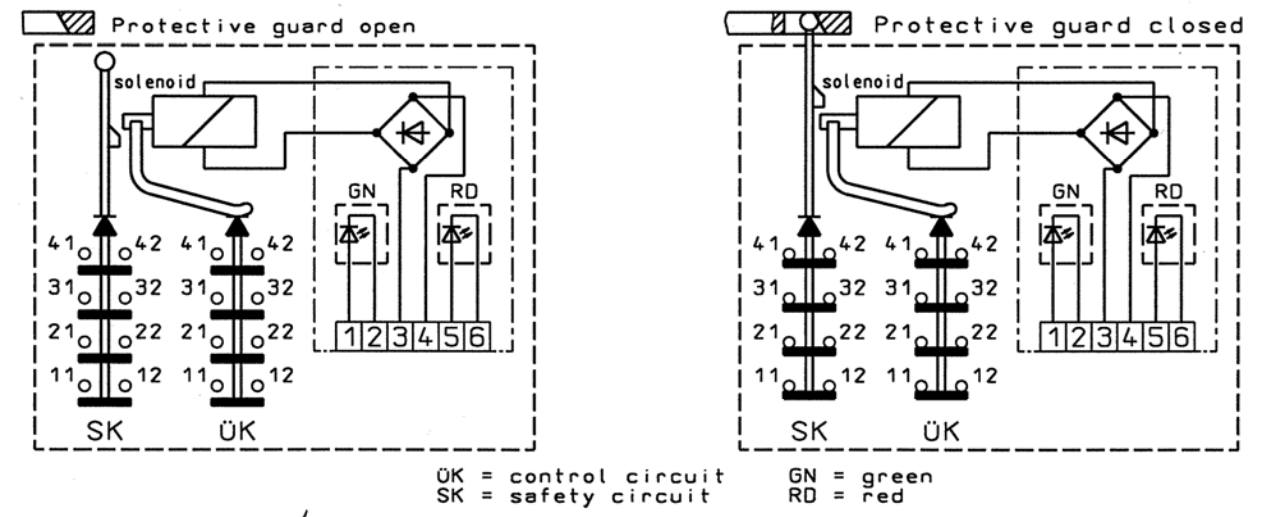
## Switching diagram

Safety Circuit (SK2121H)
Control Circuit (ÜK2121H)



## Switching function

TZ1: Unlocking by applying voltage  
TZ2: Locking by applying voltage



Ausg.	Aend.-Nr.	Tag	Name	2000	Tag	Name	Technische Aenderungen vorbehalten Subject to technical modifications	Masst.			
2	04057	09.02.04	Raff	Bearb.	07.11.	Raff					
3	04245	19.07.04	Raff	Gepr.	04.08.09	Wang			Blatt 2 von 2		
4	08847	31.08.09	Linsner	Norm	11	Li					
							Benennung	<b>Safety Switch with solenoid interlock</b>	Zeichnungs-Nr.	<b>083194</b>	
Ersetzt durch							Ersetzt fuer	Bemerkg.	TZ.LE...BHAVFG-RC1924	Klass. Nr.	112G