

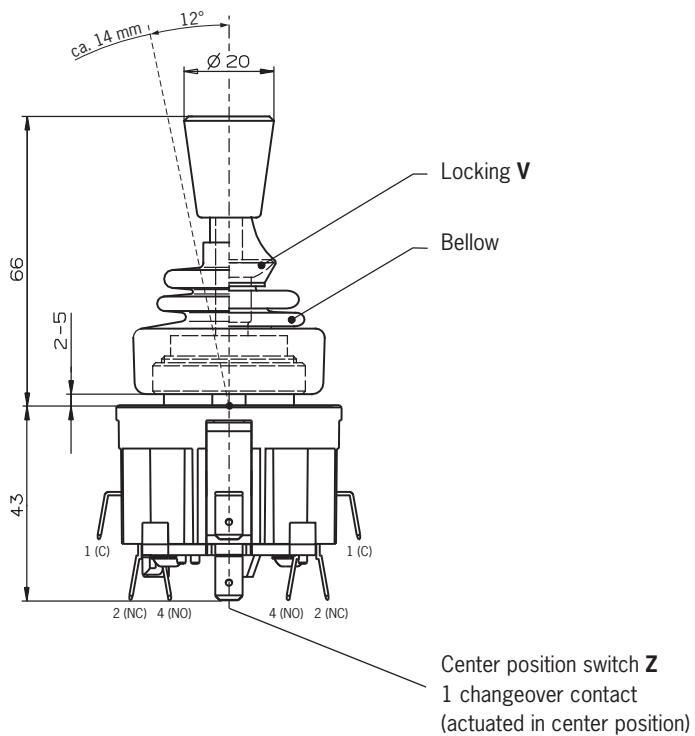
Series KB...

Germanischer Lloyd
Certificate no. 17 041 - 00 HH

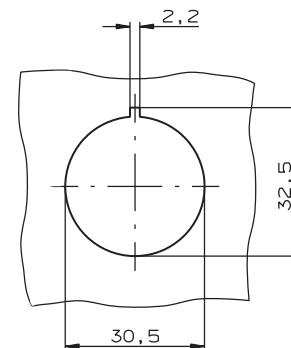


- Front panel installation according to IEC 947-5-1 D30
- 1 to 8 actuating directions, 4 switching elements. Stayput switch, spring return switch or combined
- One changeover contact with tab connector 6.3 x 0.8 IEC 760 for each actuating direction

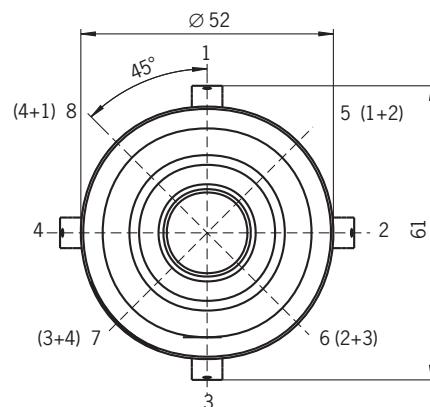
Dimension drawing



Panel cut-out



Actuating directions



Ordering code

K	B		
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Series

Actuating direction and switching characteristics

Stayput switch **S** (switching lever engages in selected position)
Spring return switch **T** (switching lever returns to center position)

Options

Locking **V**
All-round actuation **R**¹⁾
Center position switch **Z**

1) Simultaneous actuation of 2 adjacent switching elements in diagonal actuating directions.

Technical data

Parameter	Value	Unit
Housing material	Thermoplastic	
Switching lever material	Stainless steel	
Degree of protection acc. to IEC 529	IP 65	
Actuating side with/without bellow		
Mounting	IEC 947-5-1 D30	
Weight	Approx. 0.2	kg
Mechanical life		
Spring return switch	2x10 ⁶ operating cycles	
Stayput switch	1x10 ⁶ operating cycles	
Ambient temperature with spring return switch	-25 to +65	°C
Ambient temperature with stayput switch	-25 to +65	°C
Storage temperature	-40 to +50	°C
Max. number of switching elements	4	
Connection	Tab connector 6.3 x 0.8 IEC 760 Screw terminal on request	
Switching contacts	Changeover contact C IEC 947-5-1	
Switching principle	Snap-action contact element	
Rated insulation voltage U _i	250	V
Rated impulse withstand voltage U _{imp}	2.5	kV
Utilization category AC 15	230 V/5 A	
Utilization category DC 13	24 V/3 A	
Switching current, min., at 24 V	10	mA
Switching voltage, min.	12	V
Contact material	Silver alloy	
Short circuit protection (control circuit fuse)	T10/F20	A
Max. number of actuating directions	8	
All-round actuation R (spring return switch only)	Actuation of one switching element (vertically or horizontally) or two adjacent switching elements (diagonally) at the same time	
Switch positions per direction	1	
Stayput switch S (latching)	According to order designation	
Spring return switch T (automatic return)	According to order designation	
Locking V in center position	Option	
Center position switch Z	Option (1 changeover contact)	

Ordering examples

Joystick switch series **KB**, actuating directions **1+3** stayput switch **S**,
actuating directions **2+4** spring return switch **T**

KB S13 T24

Joystick switch series **KB**, actuating directions **1+3** spring return switch **T**,
center position switch **Z**, locking **V** in center position

KB T13 ZV