

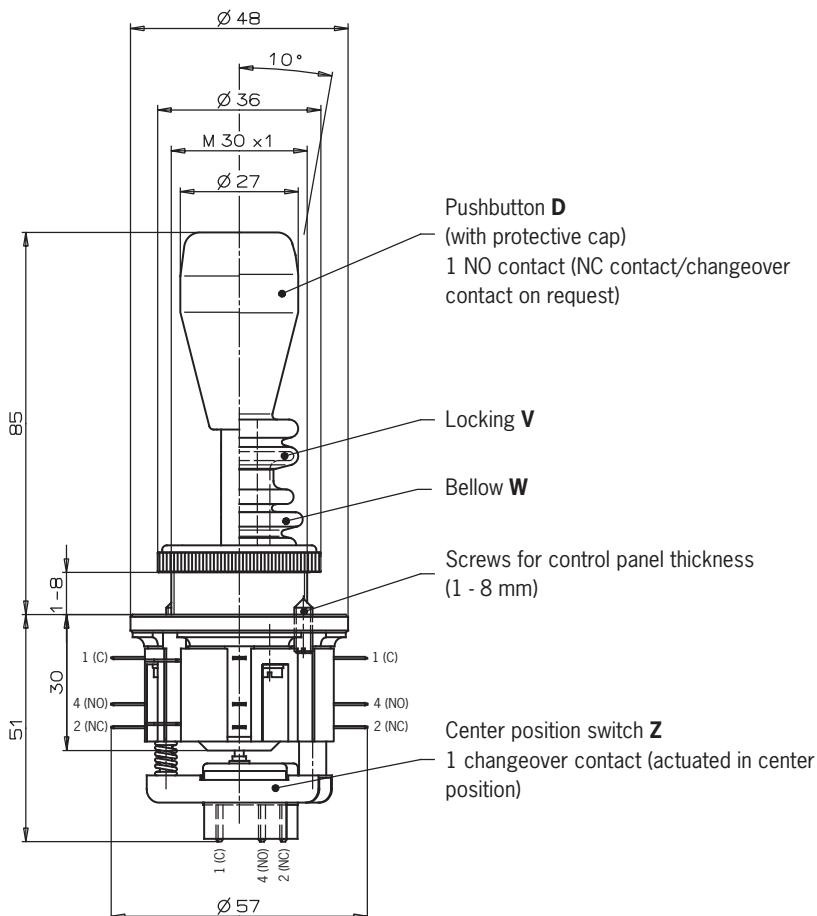
## Series WK...

- Front panel installation according to IEC 947-5-1 D30
- 1 to 8 actuating directions with spring return switches or combined
- One changeover contact with tab connector 2.8 x 0.5 IEC 760 for each actuating direction
- Center position switch
- Pushbutton in handle

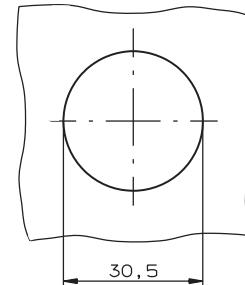
Germanischer Lloyd  
Certificate no. 17 041 - 00 HH



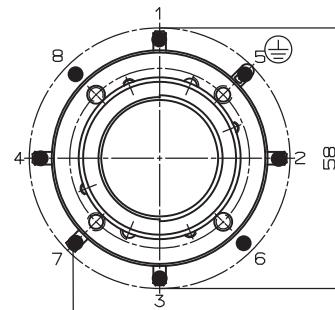
## Dimension drawing



Panel cut-out



Actuating directions



Connection D  
(the connection is located on the underside for versions with 8 directions)

## Ordering code

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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

Pushbutton	<b>D</b>
Bellow	<b>W</b>
Locking	<b>V</b>
Center position switch	<b>Z</b>
All-round actuation	<b>R</b>

## Technical data

Parameter	Value	Unit
Housing material	Reinforced thermoplastic/aluminum	
Switching lever material	Stainless steel	
Degree of protection acc. to IEC 529	IP 65/IP 54	
Actuating side with/without bellow		
Mounting	IEC 947-5-1 D30	
Weight	Approx. 0.2	kg
Mechanical life	1x10 <sup>6</sup> operating cycles	
Ambient temperature with spring return switch	-5 to +65	°C
Ambient temperature with stayput switch	-25 to +65	°C
Storage temperature	-40 to +50	°C
Max. number of switching elements	8	
Connection	Tab connector 2.8 x 0.5 IEC 760	
Switching contacts	Changeover contact C IEC 947-5-1	
Switching principle	Snap-action contact element, design ES 584	
Rated insulation voltage U <sub>i</sub>	250	V
Rated impulse withstand voltage U <sub>imp</sub>	2.5	kV
Utilization category AC 15	230 V/4 A	
Utilization category DC 13	24 V/2 A	
Switching current, min., at 24 V	12	mA
Switching voltage, min.	10	V
Contact material	Silver alloy, gold on request	
Short circuit protection (control circuit fuse)	T6/F10	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, with eight microswitches*	
Switch positions per direction	1	
Stayput switch S (latching)	According to order designation	
Spring return switch T (automatic return)	According to order designation	
Bellow W	Option	
Locking V in center position	Option	
Center position switch Z	Option (1 changeover contact)	
<b>Pushbutton D</b>	Option	
Degree of protection acc. to IEC 529	IP 65	
Life	5x10 <sup>4</sup> operating cycles at 0.7 A/250 V AC	
Switching contact	1 x NO contact (NC contact/changeover contact on request)	
Utilization category AC 15	230 V/2 A	
Utilization category DC 13	24 V/1 A	
Switching current, min., at 24 V	12	mA
Switching voltage, min.	10	V
Actuating force	< 8	N
Actuating travel	Approx. 3	mm

## Ordering examples

Joystick switch series **WK**, actuating directions **1+3** stayput switch **S**,  
actuating directions **2+4** spring return switch **T**, pushbutton **D**, center position switch **Z**,  
locking **V** in center position

**WK S13 T24 DZV**

Joystick switch series **WK**, 8 switching elements as spring return switch, all-round actuation **R**

**WK T1-8 R**

## Version

Joystick switch series **WK**, 4 switching elements, 2 actuating directions  
(2 switching elements per actuating direction)

**On request**

\* Diagonal actuation of adjacent switching elements with four microswitches can be realized on request.