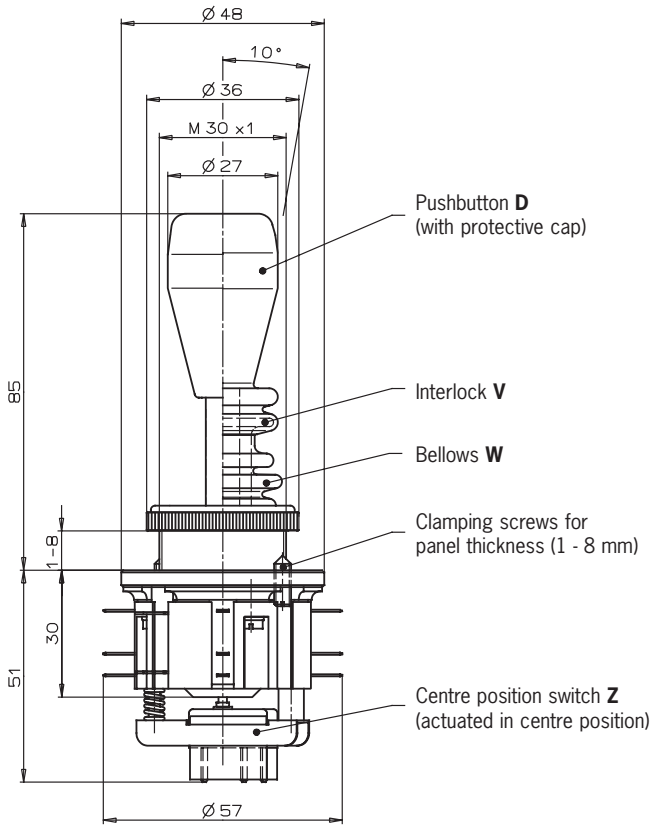
Series WK...

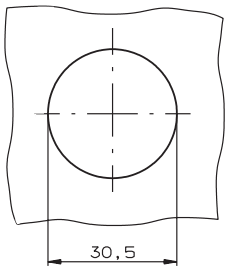
Germanischer Lloyd
Certificate no. 17 041 - 00 HH

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

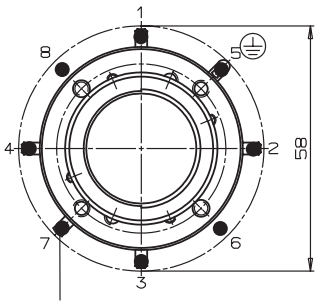
Dimension drawing



Panel cutout



Actuating directions



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

Ordering code

W	K		

Series

Actuating direction and switching behavior

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

Options

Pushbutton	**D**
Bellows	**W**
Interlock	**V**
Centre position switch	**Z**
All-round actuation	**R**

Subject to technical modifications; no responsibility is accepted for the accuracy of this information.

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Technical data

Parameters	Value	Unit
Housing material	glass-fibre reinforced thermoplastic / aluminum	
Switching lever material	stainless steel	
Degree of protection to IEC 529 on actuating side with / without bellows	IP65 / IP54	
Mounting method	IEC 947-5-1 D30	
Weight	approx. 0.17	kg
Mechanical life	$1x10^6$ switching cycles	
Ambient temperature with spring return switch	-5 to +65	°C
Ambient temperature with stayput switch	-25 to +65	°C
Max. number of switching elements	8	
Connection type	tab connector 2.8 x 0.5 IEC 760	
Contact elements	changeover contact C IEC 947-5-1	
Switching principle	snap-action switch, type ES 584	
Rated insulation voltage U_i	250	V
Rated impulse withstand voltage U_{imp}	2.5	kV
Utilization category AC 15	230 V / 4 A	
Utilization category DC 13	24 V / 2 A	
Min. switching current at 24 V	12	mA
Min. switching voltage	10	V
Contact material	silver alloy, gold on request	
Short circuit protection (control circuit fuse)	slow-blow T6 / quick-blow F10	A
Max. number of actuating directions	8	
All-round actuation R (spring return switch only)	actuation of 1 switching element (vertical or horizontal) or 2 adjacent switching elements (diagonal) simultaneously, with 8 microswitches *	
Switching positions per direction	1	
Stayput switch S (latching)	according to type designation	
Spring return switch T	according to type designation	
Bellows W	Option	
Interlock V in centre position	Option	
Centre position switch Z	Option	
Pushbutton D	Option	
Degree of protection to IEC 529	IP65	
Electrical life	$5x10^4$ switching cycles at 0.7 A / 250 V AC	
Switching element	1 x NO contact	
Utilization category AC 15	230 V / 2 A	
Utilization category DC 13	24 V / 1 A	
Min. switching current at 24 V	12	mA
Min. switching voltage	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**, centre position switch **Z**, Interlock **V** in centre position — **WK S13 T24 DZV**

Joystick switch series **WK**, 8 switching elements as spring return switches, all-round actuation **R** — **WK T1-8 R**

Design

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

* Diagonal actuation of 4 adjacent switching elements is on request.

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