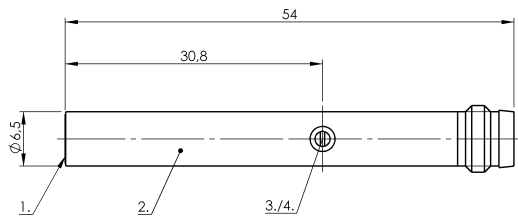
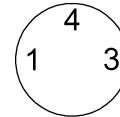


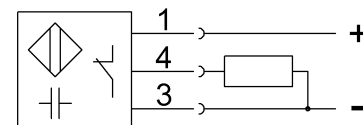
SK1-1,5-6,5/54-P-b-O-Y1



1) Sensing surface 2) Housing 3) Potentiometer 4) LED function indicator



Connection view



Wiring diagram



Connection

Connection	M8x1-Male, 3-pole
Polarity reversal protected	yes
Protection against device mix-ups	yes
Short-circuit protection	yes

Electrical data

Operating voltage U_b	11...30 VDC
Rated insulation voltage U_i	75 V DC
Rated operating current I_e	50 mA
Residual ripple max. (% of U_e)	10 %
Switching frequency Utilization category	100 Hz DC-13
Voltage drop static max.	2 V

Ambient conditions

Ambient temperature	-10...70 °C
IP rating	IP65

Functional safety

MTTF (40 °C)	444 a
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Material

Cover material	PA
Housing material	Stainless steel (1.4301)
Material sensing surface	PTFE

Mechanical data

Installation	for flush mounting
Size	D6.5

Output/Interface

Switching output	PNP Normally closed (NC)
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Range/Distance

Hysteresis H max. (% of S_r)	15.0 %
Measuring range	0.1...1.5 mm
Rated operating distance S_n	1.5 mm
Repeat accuracy max. (% of S_r)	2.0 %
Temperature drift max. (% of S_r)	15 %
Sensitivity	Switching distance adjustable