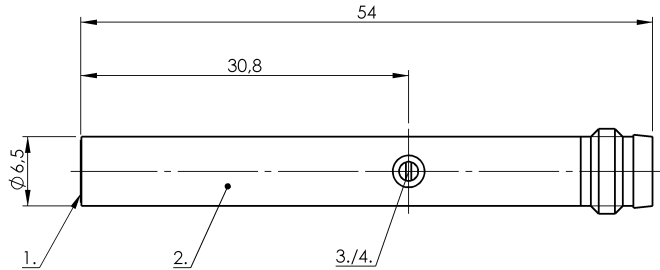
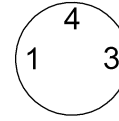


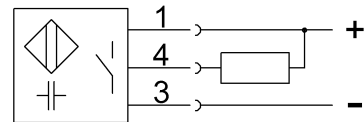
SK1-1.5-6.5-NBS-VA/PTFE-Y1 CS001U



Connector view



Wiring Diagram



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



Electrical connection

Connection	M8x1-Male, 3-pin
Polarity reversal protected	yes
Short-circuit protection	yes

Electrical data

Hysteresis H max. (% of Sr)	15.0 %
MTTF (40 °C)	444 a
Operating voltage U_b	11...30 VDC
Protected against miswiring	yes
Rated insulation voltage U_i	75 V DC
Rated operating current I_e DC	50 mA
Repeat accuracy max. (% of Sr)	2.0 %
Switching frequency	100 Hz
Utilization category	DC -13
Voltage drop static max.	2 V

Environmental conditions

Ambient temperature	-10...70 °C
Ambient temperature max.	70 °C
Ambient temperature min.	-10 °C
Protection type IEC 60529	IP65

Functional safety

Diagnostic coverage	0 %
Functional safety	no

General data

Approval/Conformity	CE cULus
Basic standard	IEC 60947-5-2

Material

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

Mechanical data

Dimension	undefined
Installation	for flush mounting
Size	D6.5

Output/Interface

Switching output	NPN Normally open (NO)
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Range/Distance

Measuring range	0.1...1.5 mm
Range	0.1...1.5 mm
Rated operating distance S_n	1.5 mm
Ripple max. (% of U_e)	10 %
Temperature drift max. (% of Sr)	15 %

For further information on MTTF/B10d, please refer to the MTTF / B10d Certificate.

Specification of the MTTF value and the B10d value do not represent any binding quality and/or life expectancy guarantees.