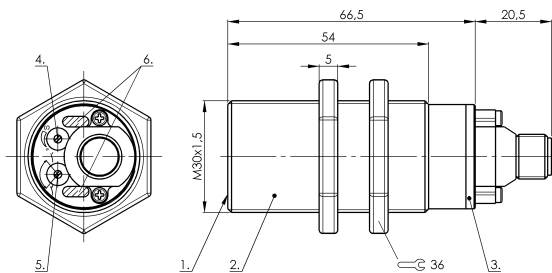
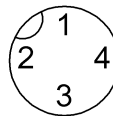


SK1-20-M30-NBX-VA/PBT-Y2

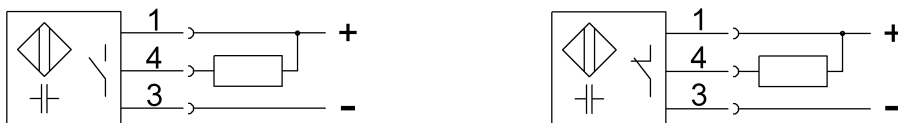
CS004U



Connector view



Wiring Diagram



1) Sensing surface 2) Housing 3) Cover 4) Potentiometer 5) NO or NC selectable 6) LED function indicator



Display/Operation

Function indicator	yes
Power indicator	yes

Electrical connection

Connection	M12x1-Connector, 4-pole, A-coded
Polarity reversal protected	yes
Short-circuit protection	yes

Electrical data

Hysteresis H max. (% of Sr)	15.0 %
MTTF (40 °C)	455 a
Operating voltage Ub	10...35 VDC
Protected against miswiring	yes
Rated insulation voltage Ui	75 V DC
Rated operating current Ie DC	300 mA
Repeat accuracy max. (% of Sr)	5.0 %
Switching frequency	100 Hz
Utilization category	DC -13
Voltage drop static max.	1.8 V

Environmental conditions

Ambient temperature	-30...70 °C
Protection type IEC 60529	IP66 IP64 at connector output

Functional safety

Diagnostic coverage	0 %
Functional safety	no

General data

Approval/Conformity	CE cULus
Basic standard	IEC 60947-5-2
Scope of delivery	Nut (2x)

Material

Cover material	PBT PE
Housing material	Stainless steel (1.4301)
Material cover	PBTPE
Material sensing surface	PBT

Mechanical data

Dimension	undefined
Installation	for flush mounting
Size	M30x1.5
Tightening torque	90 Nm

Output/Interface

Switching output	NPN Normally open/Normally closed (NO/NC)
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Range/Distance

Measuring range	1...20 mm
Range	1...20 mm
Rated operating distance Sn	20 mm
Ripple max. (% of Ue)	10 %
Temperature drift max. (% of Sr)	20 %