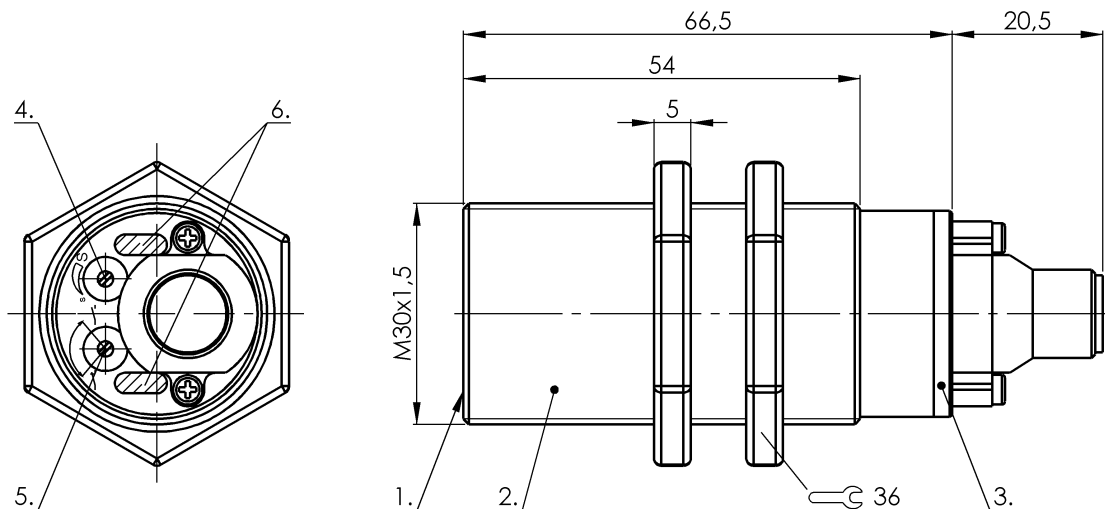




1) Sensing surface, 2) Housing, 3) Cover, 4) Potentiometer, 5) NO or NC selectable, 6) LED function indicator



Basic features

Approval/Conformity	CE cULus EAC WEEE
Basic standard	IEC 60947-5-2
Scope of delivery	Nut (2x) Short guide Screwdriver
Sensitivity	Switching distance adjustable
Series	M30

Display/Operation

Function indicator	yes
Power indicator	yes

Electrical connection

Connection	M12x1-Male, 4-pin, A-coded
Polarity reversal protected	yes
Protection against device mix-ups	yes
Short-circuit protection	yes

Electrical data

No-load current I_0 max. at U_e	18 mA
Operating voltage U_b	10...35 VDC
Rated insulation voltage U_i	75 V DC
Rated operating current I_e	300 mA
Ripple max. (% of U_e)	10 %
Switching frequency	100 Hz
Utilization category	DC -13
Voltage drop static max.	1.8 V

Environmental conditions

Ambient temperature	-30...70 °C
Contamination scale	1
IP rating	IP66, IP64 at connector output

Functional safety

MTTF (40 °C)	455 a
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Interface

Switching output	PNP NO/NC programmable
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Material

Cover material	PBT PE
Housing material	PBT
Material sensing surface	PBT

Capacitive Sensors
BCS M30BBM2-PPM20C-S04G
Order Code: BCS004M



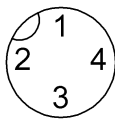
Mechanical data

Dimension	Ø 30 x 87 mm
Installation	for flush mounting
Size	M30x1.5
Thread (A)	M30x1.5
Tightening torque	4 Nm

Range/Distance

Hysteresis H max. (% of Sr)	15.0 %
Measuring range	1...20 mm
Rated operating distance Sn	20 mm
Repeat accuracy max. (% of Sr)	5.0 %
Temperature drift max. (% of Sr)	20 %

Connector Drawings



Wiring Diagrams

