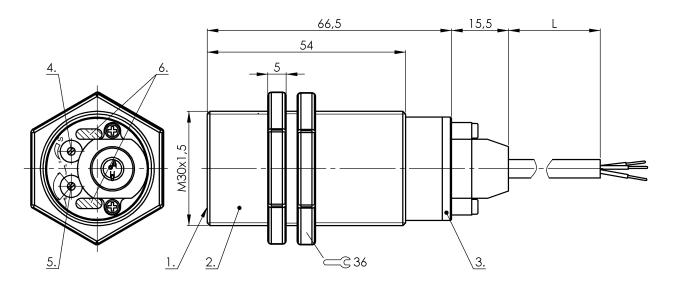
BCS M30BBM3-PPC20C-EP02

Order Code: BCS004K

BALLUFF



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







Approval/Conformity	CE
	cULus
	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

Cable length L	2 m
Conductor cross-section	0.34 mm ²
Number of conductors	3
Polarity reversal protected	yes
Protection against device mix-ups	yes
Short-circuit protection	yes

Electrical data

No-load current lo max. at Ue	18 mA
Operating voltage Ub	1035 VDC
Rated insulation voltage Ui	75 V DC
Rated operating current le	300 mA
Ripple max. (% of Ue)	10 %
Switching frequency	100 Hz
Utilization category	DC -13
Voltage drop static max.	1.8 V

Environmental conditions

Ambient temperature	-3070 °C
Contamination scale	1
IP rating	IP66, IP64 at cable exit

Functional safety

MTTF (40 °C)	455 a
Interface	
Switching output	PNP NO/NC programmable
Material	
Cover material	PBT
	PE
Housing material	PBT
Material jacket	PUR
Material sensing surface	PBT

Capacitive Sensors

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Mechanical data

Dimension Ø 30 x 82 mm Installation for flush mounting Size M30x1.5 Thread (A) M30x1.5 **Tightening torque** 4 Nm

Range/Distance

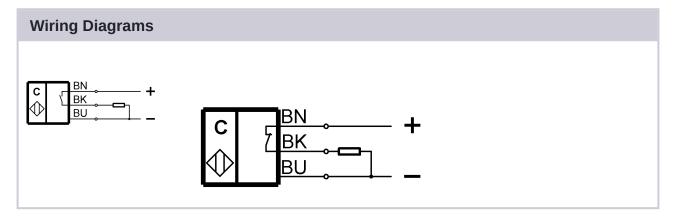
Hysteresis H max. (% of Sr) 15.0 % 1...20 mm Measuring range Rated operating distance Sn 20 mm Repeat accuracy max. (% of Sr) 5.0 % Temperature drift max. (% of Sr) 20 %

Remarks

The potentiometer does not have a fixed stop, but can be turned endlessly without destroying anything.

If no change in the switching signal is detected, the potentiometer should be turned forwards or backwards until a signal change occurs at the output. For more information about MTTF and B10d see MTTF / B10d Certificate

Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.



Installation remarks 1) Machine GND

Subject to change without notice: 367256