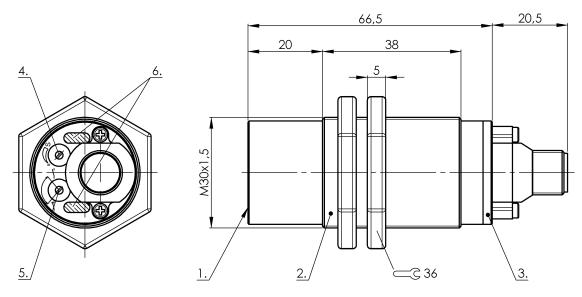
BCS M30BBM2-PPC30G-S04G

Order Code: BCS007F

BALLUFF



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







Rasic	features

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

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
IP rating	IP66, IP64 at connector output
Functional safety	
MTTF (40 °C)	455 a
Interface	
Switching output	PNP NO/NC programmable
Material	
Cover material	PBT
	PE
Housing material	PE PBT
Housing material Material sensing surface	· -
•	PBT
•	PBT
Material sensing surface	PBT
Material sensing surface Mechanical data	РВТ РВТ
Material sensing surface Mechanical data Dimension	PBT PBT
Material sensing surface Mechanical data Dimension Installation	PBT PBT Ø 30 x 87 mm non-flush

4 Nm

Tightening torque

Capacitive Sensors

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30 mm

5.0 %

15 %

Range/Distance

 Rated operating distance Sn Repeat accuracy max. (% of Sr) Temperature drift max. (% of Sr)

Remarks

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

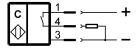
If no change in the switching signal is detected, the potentiometer should be turned forwards or backwards until a signal change occurs at the output. For more information about MTTF and B10d see MTTF / B10d Certificate

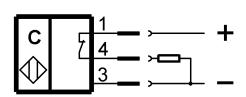
Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

Connector Drawings



Wiring Diagrams





Installation remarks



1) Machine GND