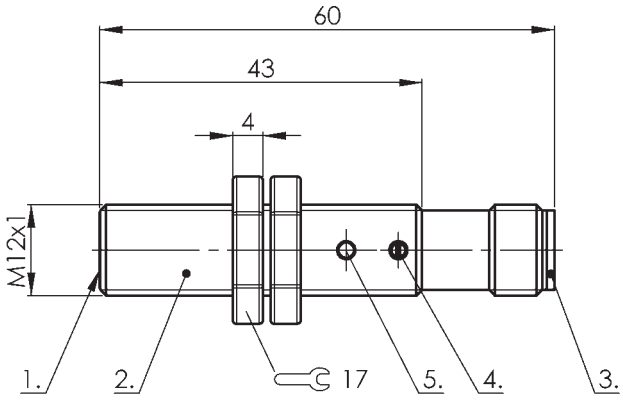
Capacitive Sensor

BCS M12T4D2-PSM40C-S04G
BCS0037

BALLUFF
sensors worldwide



1) Active surface 2) Housing 3) Top cover 4) Pot 5) LED function indicator

- **PNP**
- **Normally open (NO)**
- **4.00 mm**
- **Flush (shielded)**
- **Connector, M12x1-S04**
- **switching distance adjustable**

IND. CONT. EQ. 81U2
for use in the secondary of
a class 2 source of supply

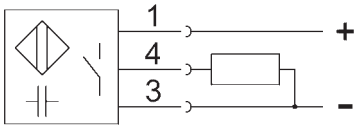
IND. CONT. EQ.
81U2
for use in the secondary of
a class 2 source of supply

General attributes

Approvals / Conformity	CE cULus
Basic standard	IEC 60947-5-2
Enclosure Type per IEC 60529	IP65
Polarity reversal protected	Yes
Scope of delivery	2 nuts
Short circuit protected	Yes
MTTF	584 a

Electrical attributes

Connection type	Connector
Eff. operating current Ie	200 mA
Electrical version	DC, direct current
Operating voltage UB max. DC [V]	35.0 V
Operating voltage UB min. DC [V]	12.0 V
Rated insulation voltage Ui	75 V DC
Ripple max. (% of Ue)	10 %
Sensitivity	switching distance adjustable
Switching freq. f max. (at Ue)	100 Hz
Switching function	Normally open (NO)
Switching output	PNP
Voltage drop static max.	1.5 V



Mechanical attributes

Ambient temperature Ta max.	70 °C
Ambient temperature Ta min.	-30 °C
Connector type	M12x1-S04
Cover material	PA
Diameter d1	M12x1.0
Housing material	1.4301
Mech. installation condition	Flush (shielded)
Mounting length	31.0 mm
Rated operating distance Sn [mm]	4.00 mm
Sensing face material	PTFE
Tightening torque	40 Nm

Remarks

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.

