

1) Active surface 2) Housing 3) Top cover 4) Pot 5) NO or NC selectable 6) LED function indicator

- PNP
- Output programmable
- 20.00 mm
- Flush (shielded)
- Connector, M12x1-S04



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



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**General attributes**

Approvals / Conformity	CE cULus IEC 60947-5-2 IP66/IP64 on connector output
Basic standard	Yes
Enclosure Type per IEC 60529	Yes
Function indicator	Yes
Polarity reversal protected	Yes
Power indicator	2 nuts
Scope of delivery	Yes
Short circuit protected	455 a
MTTF (40°C)	

**Electrical attributes**

Connection type	Connector
Eff. operating current I <sub>e</sub>	300 mA
Electrical version	DC, direct current
Operating voltage U <sub>B</sub> max. DC [V]	35.0 V
Operating voltage U <sub>B</sub> min. DC [V]	10.0 V
Rated insulation voltage U <sub>i</sub>	75 V DC
Ripple max. (% of U <sub>e</sub> )	10 %
Switching freq. f max. (at U <sub>e</sub> )	100 Hz
Switching function	Output programmable
Switching output	PNP
Voltage drop static max.	1.8 V

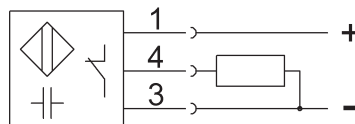
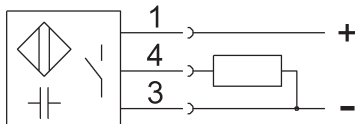
**Mechanical attributes**

Ambient temperature T <sub>a</sub> max.	70 °C
Ambient temperature T <sub>a</sub> min.	-30 °C
Connector type	M12x1-S04
Cover material	PBT / PE
Diameter d1	M30x1.5
Housing material	1.4301
Mech. installation condition	Flush (shielded)
Mounting length	54.0 mm
Rated operating distance S <sub>n</sub> [mm]	20.00 mm
Sensing face material	PBT
Tightening torque	90 Nm
Working range S <sub>a</sub> max.	20.00 mm
Working range S <sub>a</sub> min. [mm]	1.00 mm

**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.



Capacitive Sensor

**BCS M30B4M2-PPM20C-S04G**  
**BCS004T**

**BALLUFF**

