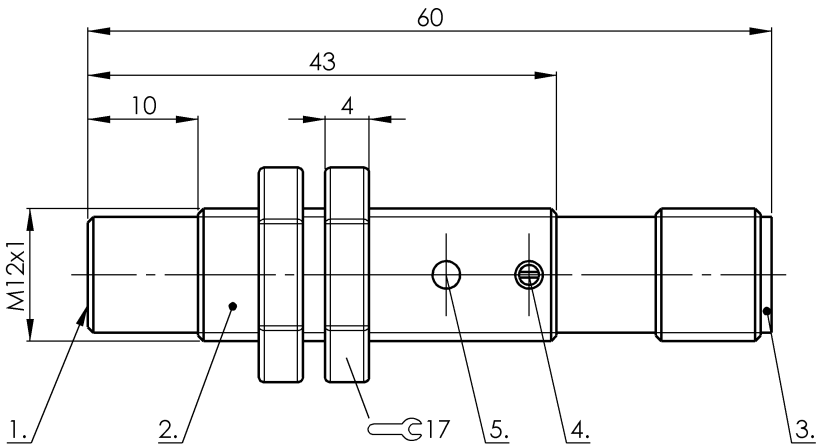
BCS M12T4D2-PSM80G-S04G
BCS0062



1) Sensing surface 2) Housing 3) Cover 4) Potentiometer 5) LED function indicator

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

Electrical connection

Connection	M12x1-Connector, 4-pole, A-coded
Polarity reversal protected	yes
Short-circuit protection	yes

Electrical data

Hysteresis H max. (% of Sr)	15.0 %
MTTF (40 °C)	584 a
Operating voltage Ub	12…35 VDC
Protected against miswiring	yes
Rated insulation voltage Ui	75 V DC
Rated operating current Ie DC	200 mA
Repeat accuracy max. (% of Sr)	2.0 %
Switching frequency	100 Hz
Utilization category	DC -13
Voltage drop static max.	1.5 V

Environmental conditions

Ambient temperature	-30…70 °C
Protection type IEC 60529	IP65

Functional safety

Diagnostic coverage	0 %
Functional safety	no

General data

Approval/Conformity	CE cULus
Basic standard	IEC 60947-5-2
Scope of delivery	Nut (2x)
Sensitivity	Switching distance adjustable

Material

Cover material	PA
Housing material	Stainless steel (1.4301)
Material cover	PA
Material sensing surface	PTFE

Mechanical data

Dimension	undefined
Installation	non-flush
Size	M12x1
Tightening torque	40 Nm

Output/Interface

Switching output	PNP Normally open (NO)

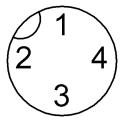
Range/Distance

Measuring range	1…8 mm
Range	1…8 mm
Rated operating distance Sn	8 mm
Ripple max. (% of Ue)	10 %
Temperature drift max. (% of Sr)	15 %

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.

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Connector view



Wiring Diagram

