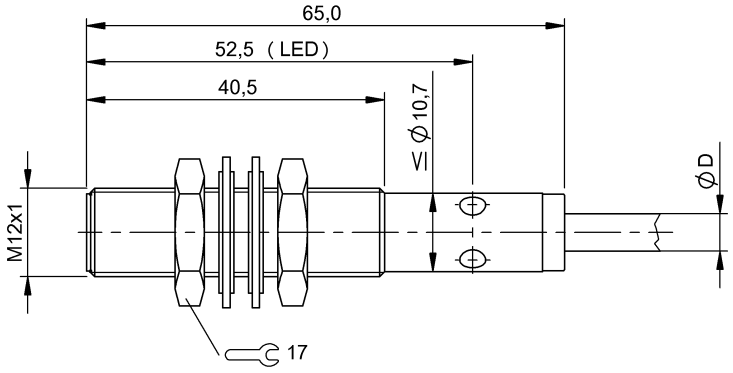
BAW M12MG2-ICC20B-BP03
BAW001H



IND. CONT. EQ
81U2
for use in the secondary of
a class 2 source of supply
Environmental - Type 1 Enclosure

Display/Operation

Function indicator	Adjustment indicator
Power indicator	no

Electrical connection

Cable diameter D	4.60 mm
Cable length	3 m
Conductor cross-section	0.34 mm²
Connection type	Cable, 3.00 m, PUR
Number of conductors	3
Polarity reversal protected	yes
Short-circuit protection	yes

Electrical data

MTTF (40 °C)	640 a
No-load current Io max. at Ue	10 mA
Operating voltage Ub	10…30 VDC
Pollution degree	3
Protected against miswiring	yes
Rated insulation voltage Ui	250 V AC
Rated operating voltage Ue DC	24 V
Slope I	10.70 mA/mm

Environmental conditions

Ambient temperature	-10…70 °C
Protection class	II
Protection type IEC 60529	IP67

Functional safety

Diagnostic coverage	0 %
Functional safety	no
Mission Time	20 a

General data

Approval/Conformity	CE cULus EAC
Basic standard	BWN PR 44 IEC 60947-5-2 IEC 60947-5-7

Material

Housing material	Brass
Material jacket	PUR
Material sensing surface	PBT
Surface protection	nickel plates

Mechanical data

Dimension	Ø 12 x 65 mm
Installation	for flush mounting
Size	M12x1
Tightening torque	15 Nm

Output/Interface

Analog output	Analog, current, Current falling on approach

Range/Distance

Measuring range	0.5…2 mm
Non-linearity max.	±45 µm
Range	0.5…2 mm
Repeat accuracy	3.0 % FS

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Ripple max. (% of Ue)	15 %

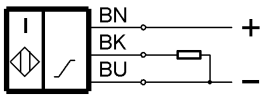
Remarks

Values referenced to axial approach of St 37 target. For other materials correction factors are applied.
Load resistance RL max. applies for Ub min. 16V.

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.

Wiring Diagram



Diagram