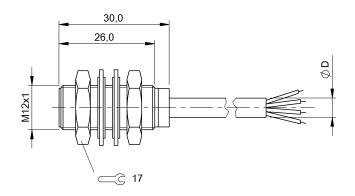
BAW M12ME-UAD50B-BP01

Order Code: BAW0011













Basic features

Approval/Conformity CE UKCA cULus WEEE

Basic standard IEC 60947-5-2 IEC 60947-5-7

Display/Operation

Power indicator no

Electrical connection

Cable diameter D 4.60 mm Cable length L 1 m Conductor cross-section 0.25 mm² Cable, 1.00 m, PUR Connection type Number of conductors

Polarity reversal protected Protection against device mix-ups ves Short-circuit protection yes

Electrical data

Limit frequency -3 dB 1000 Hz Load resistance RL min. 2000 Ohm Load resistance RT min. 5000 Ohm No-load current lo max, at Ue 10 mA Operating voltage Ub 15...30 VDC Rated insulation voltage Ui 75 V DC Rated operating voltage Ue DC 24 V Ripple max. (% of Ue) 15% Slope U 2.50 V/mm -9 mV/°C Temperature output

Environmental conditions

0...60 °C Ambient temperature Contamination scale 3

EN 60068-2-27, Shock Half-sinus, 30 g_n, 11 ms EN 60068-2-6, Vibration 55 Hz, amplitude 1 mm, 3x30 min

IP67 IP rating

Functional safety

MTTF (40 °C) 640 a

Interface

Subject to change without notice: 278744

Analog output Analog, voltage 0...10 V

Analog, temperature

Output characteristic falling on approach

Output voltage at SI max. 10 V Output voltage at SI min. 0 V Output voltage at Se 5 V

Inductive Sensors

BAW M12ME-UAD50B-BP01 Order Code: BAW0011



Material

Housing material Brass, nickel-plated

Material jacketPURMaterial sensing surfacePA 12

Mechanical data

DimensionØ 12 x 30 mmInstallationquasi-flushMounting length26.0 mmSizeM12x1Tightening torque10 Nm

Range/Distance

Remarks

Values referenced to axial approach of St 37 target. For other materials correction factors are applied.

The specified parameters apply to the temperature range of 0...+60 °C. Function is also guaranteed in the ranges -10...0 °C and +60...+70 °C.

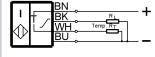
Scattering (e.g. due to manufacturing tolerances) is described by the tolerance T at Se. This can be approximated using the formula: $T = (slmax + slmin) / 20 = \pm xx mm$.

UL-MARKINGS: - For use in NFPA 79 Applications only - Adapters providing field wiring means are available from the manufacturer. Refer to manufacturers information.

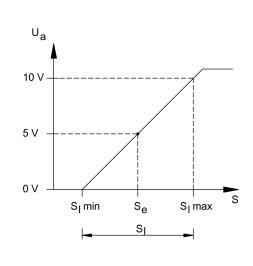
For more information about MTTF and B10d see MTTF / B10d Certificate

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.

Wiring Diagrams



Technical Drawings



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