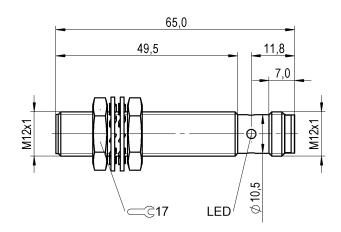
# BAW M12MI-BLC35C-S04G

Order Code: BAW004M

















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Approval/Conformity

CE UKCA cULus WEEE

Basic standard

IEC 60947-5-2 IEC 60947-5-7

### Display/Operation

Function indicator

Adjustment indicator no

Power indicator

#### Electrical connection

Connection

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

yes ves

## Electrical data

Limit frequency -3 dB No-load current lo max. at Ue Operating voltage Ub Protection class Rated insulation voltage Ui

Rated operating voltage Ue DC

Ripple max. (% of Ue)

250 V AC 24 V 15%

M12x1-Male, 4-pin, A-coded

yes

1000 Hz

18...30 VDC

19 mA

# Interface

Output characteristic

Process data OUT

# falling on approach 2 bytes

**Environmental conditions** 

Ambient temperature

Contamination scale

EN 60068-2-27. Shock

EN 60068-2-6, Vibration

Functional safety

IP rating

MTTF (40 °C)

10-Link IO-Link Profil IDs

Interface

#### Material

Housing material Material sensing surface Brass, Nickel-free coated

PBT

-40...80 °C

Half-sinus, 30 g<sub>n</sub>, 11 ms

55 Hz, amplitude 1 mm, 3x30 min

3

IP67

462 a

N/A

10-Link 1.1

12 bits

#### Mechanical data

Dimension Installation

Subject to change without notice: 279533

Ø 12 x 65 mm for flush mounting

49.5 mm

M12x1

10 Nm

Mounting length Size Tightening torque

#### **Inductive Sensors**

# BAW M12MI-BLC35C-S04G Order Code: BAW004M



Range/Distance

Linearity range SI0.2...3.5 mmMeasuring range0.2...3.5 mm

Non-linearity max.  $\pm 35 \,\mu m$ Repeat accuracy per BWN  $\pm 7 \,\mu m$ Temperature drift max. from end value  $\pm 5.0 \,\%$ 

#### Remarks

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

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 = + 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.

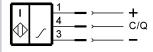
For more information about MTTF and B10d see MTTF / B10d Certificate

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.

# **Connector Drawings**

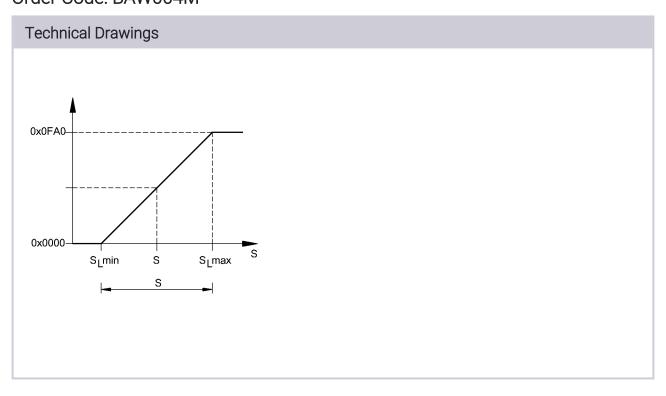


# Wiring Diagrams



2/3





# Help Views

Octet 0			Octet 1						
7 6 5 4	3 2 1 0	7	6	5	4	3	2	1	0
MSB	Position value				LSB	OoR	BDC3	BDC2	BDC1

BAW004M\_0.9\_2023-12-20