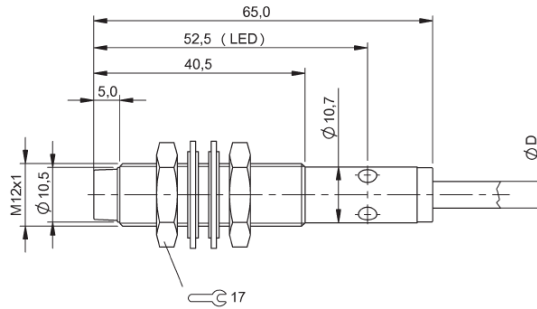


**BAW M12MF2-UAC40F-BP05/ PNP / Analog, Voltage falling on approach
Cable, 5m, PUR**

**Inductive distance sensor
M12
Ordering code: VMS01**



Characteristic data

Operating voltage	15...30 V DC
Power-on indicator	No
Adjustment indicator	No
Short-circuit protected	Yes
Protected against polarity reversal	Yes
Protected against reverse connection	Yes

Electrical data

Electrical version	DC, direct current
Rated operating voltage U_e	DC 24 V
Ripple max. (% of U_e)	15 %
Rated frequency, AC	DC
Rated insulation voltage U_i	250 AC V
No-load current max. I_o at U_e	8 mA
Switching function	Voltage falling on approach
Switching output	PNP / Analog
Output voltage at SI min.	0 V
Output voltage at SI max.	10 V
Output voltage at Se	5 V
Slope U	3.33 V/mm
Limit frequency -3dB	500 Hz

Mechanical data

Rated operating dist. Se	2,5 mm
Linearity range	1...4 mm
Cable short designation	Li9Y11Y-O
Conductor cross-section	0,34 mm ²
Number of conductors	3
Housing material	Brass
Sensing surface material	PBT
Cable jacket material	PUR
Cable diameter D max.	5,1 mm
Response time	1 ms
Measuring speed max.	20 m/s
Ambient temperature	-10...70 °C
Max. temp. drift from end value	±5,0 %
Temperature coefficient min.	0,0 µm/K
Temperature coefficient max.	-8,0 µm/K
Temperature coefficient typ.	-1,5 µm/K
Repeat accuracy per BWN	±10,0 µm
Repeat acc. R of end value max.	3 %
Tightening torque max.	15 Nm

Basic data

Basic standard	BWN PR 44 IEC 60947-5-2 IEC 60947-5-7 CE, cULus
Approvals / Conformity	IP67
Degree of protection as per IEC 60529	II
Protection class	3
Degree of contamination	half-sinus, 30 gn, 11ms
Shock rating Shock,	1 mm ampl., 3x30 min
Vibration rating 55 Hz,	

Remarks

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

