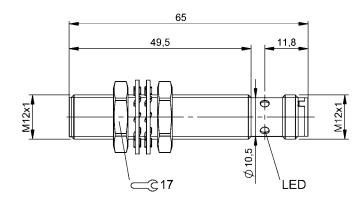
BES M12MI-PAC40B-S04G

Order Code: BES05F0















Basic features

Short-circuit protection

Daoio roataroo	
Approval/Conformity	cULus CE UKCA WEEE
Basic standard	IEC 60947-5-2
Trademark	Global
Display/Operation	
Function indicator	yes
Power indicator	no
Electrical connection	
Connection	M12x1-Male, 4-pin, A-coded
Polarity reversal protected	yes
Protection against device mix-ups	yes

yes

Electrical data

Load capacitance max. at Ue	0.5 µF
Min. operating current Im	0 mA
No-load current lo max., damped	19 mA
No-load current lo max., undamped	12 mA
Operating voltage Ub	1030 VDC
Output resistance Ra	33.0 kOhm + D
Protection class	II
Rated insulation voltage Ui	250 V AC
Rated operating current le	200 mA
Rated operating voltage Ue DC	24 V
Rated short circuit current	100 A
Ready delay tv max.	40 ms
Residual current Ir max.	50 μΑ
Ripple max. (% of Ue)	15 %
Switching frequency	2500 Hz
Utilization category	DC -13
Voltage drop static max.	2.5 V

Environmental conditions

Functional safety	
IP rating	IP68, according to BWN Pr 20
EN 60068-2-6, Vibration	55 Hz, amplitude 1 mm, 3x30 min
EN 60068-2-27, Shock	Half-sinus, 30 g _n , 11 ms
Contamination scale	3
Ambient temperature	-2570 °C

Inductive Sensors

BES M12MI-PAC40B-S04G Order Code: BES05F0



Interface

Switching output

PNP normally open/normally closed (NO/NC)

Material

Housing material

Brass

Material sensing surface

PBT

Mechanical data

 Dimension
 Ø 12 x 65 mm

 Installation
 for flush mounting

 Mounting length
 49.50 mm

 Size
 M12x1

 Tightening torque
 10 Nm

Range/Distance

Assured operating distance Sa Hysteresis H max. (% of Sr) Rated operating distance Sn Real switching distance sr Repeat accuracy max. (% of Sr) Switching distance marking Temperature drift max. (% of Sr) Tolerance Sr 3.2 mm 15.0 % 4 mm 4 mm 5.0 %

10 % ±10 %

Remarks

The sensor is functional again after the overload has been eliminated. 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

