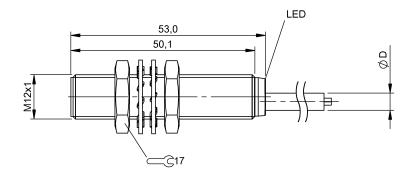
# BES M12MI-PSC40B-BP05 **Order Code: BES0063**













### **Basic features**

Approval/Conformity	cULus
	CE
	EAC
	WEEE
Basic standard	IEC 60947-5-2

Trademark Global

### Display/Operation

**Function indicator** Power indicator

### **Electrical connection**

Cable diameter D	4.60 mm
Cable length L	5 m
Conductor cross-section	0.34 mm <sup>2</sup>
Connection type	Cable, 5.00 m, TPU
Number of conductors	3
Polarity reversal protected	yes
Protection against device mix-ups	yes
Short-circuit protection	yes

#### **Electrical data**

Load capacitance max. at Ue	1 μF
Min. operating current Im	0 mA
No-load current lo max., damped	5 mA
No-load current lo max., undamped	2 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.	21 ms
Residual current Ir max.	10 μΑ
Ripple max. (% of Ue)	15 %
Switching frequency	2500 Hz
Utilization category	DC -13
Voltage drop static max.	1.5 V

### **Environmental conditions**

Environmental condit	10115
Ambient temperature	-2570 °C
Contamination scale	3
EN 60068-2-27, Shock	Half-sinus, 30 gn, 11 ms
EN 60068-2-6, Vibration	55 Hz, amplitude 1 mm, 3x30 min
Protection degree	IP68
Functional cafety	

**Functional safety** 

Subject to change without notice: 241882

MTTF (40 °C) 640 a

# BES M12MI-PSC40B-BP05 Order Code: BES0063



#### Material

Housing material
Material jacket
TPU
Material sensing surface
PBT

Mechanical data

Dimension

Brass, Nickel-free coated
TPU
PBT

for flush mounting

M12x1

10 Nm

### Output/Interface

Switching output	PNP normally open (NO)
Danga/Diotanaa	
Range/Distance	
Assured operating distance Sa	3.2 mm
Hysteresis H max. (% of Sr)	15.0 %
Rated operating distance Sn	4 mm
Real switching distance sr	4 mm
Repeat accuracy max. (% of Sr)	5.0 %
Switching distance marking	••
Temperature drift max. (% of Sr)	10 %
Tolerance Sr	±10 %

### Remarks

Installation

Tightening torque

Size

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.

# **Wiring Diagrams**

