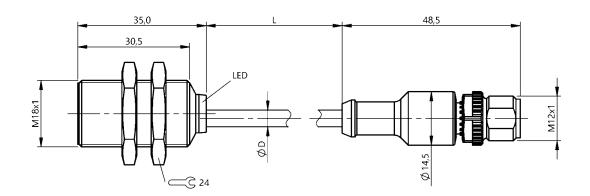
BES M18ME-PSC80B-BP00,3-GS04

Order Code: BES05AP















Basic features	Basi	c fe	atu	res
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Approval/Conformity	CE
	UKCA
	cULus
	WEEE
Basic standard	IEC 60947-5-2

Display/Operation

Function indicator	yes
Power indicator	no

Electrical connection

Short-circuit protection

Cable diameter D	4.50 mm
Cable length L	0.3 m
Conductor cross-section	0.34 mm ²
Connection	M12x1-Male, 4-pin, A-coded
Connection type	Cable with connector, 0.30 m, PUR
Number of conductors	3
Polarity reversal protected	yes
Protection against device mix-ups	yes

yes

Electrical data

Subject to change without notice: 255011

Load capacitance max. at Ue	0.5 µF
Min. operating current Im	0 mA
No-load current lo max., damped	8 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.	30 ms
Residual current Ir max.	10 μΑ
Ripple max. (% of Ue)	15 %
Switching frequency	1300 Hz
Utilization category	DC -13
Voltage drop static max.	2.5 V

Environmental conditions	
Ambient temperature Contamination scale EN 60068-2-27, Shock EN 60068-2-6, Vibration	-4085 °C 3 Half-sinus, 30 g _n , 11 ms 55 Hz, amplitude 1 mm, 3x30 min
Prating Functional safety	IP68
MTTF (40 °C)	465 a
Switching output	PNP normally open (NO)

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Material

Housing material Brass, Nickel-free coated

Material jacket Material sensing surface PBT

Mechanical data

Dimension Ø 18 x 35 mm Installation for flush mounting Mounting length 30.5 mm M18x1 Size

Range/Distance

Assured operating distance Sa 6.4 mm Hysteresis H max. (% of Sr) 15.0 % Rated operating distance Sn 8.0 mm Real switching distance sr 8 mm Repeat accuracy max. (% of Sr) 5.0 % Switching distance marking Temperature drift max. (% of Sr) 15% Tolerance Sr ±10 %

Remarks

Tightening torque

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

Flush: See installation instructions for inductive sensors with extended range 825357.

25 Nm

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.

Subject to change without notice: 255011

Connector Drawings



Wiring Diagrams

