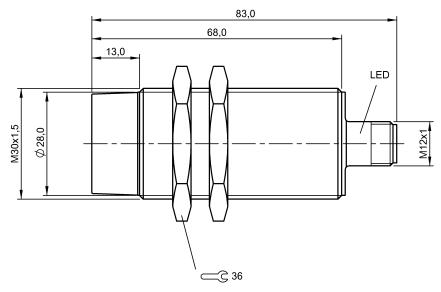
BES M30MM-PSC30F-S04K

Order Code: BES00AZ









Protection against device mix-ups

Short-circuit protection





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182	CIC	TASTI	IFAC

Basic reatures	
Approval/Conformity	CE UKCA cULus
	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

yes

Electrical data

Load capacitance max. at Ue	0.5 μF
Min. operating current Im	0 mA
No-load current lo max., damped	10 mA
No-load current lo max., undamped	3 mA
Operating voltage Ub	1030 VDC
Output resistance Ra	33.0 kOhm + D
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.	20 ms
Residual current Ir max.	10 μΑ
Ripple max. (% of Ue)	15 %
Switching frequency	300 Hz
Utilization category	DC -13
Voltage drop static max.	2.5 V

Environmental conditions

Switching output

Subject to change without notice: 289539

Ambient temperature	-2570 °C
Contamination scale	3
EN 60068-2-27, Shock	Half-sinus, 30 g _n , 11 ms
EN 60068-2-6, Vibration	55 Hz, amplitude 1 mm, 3x30 min
IP rating	IP67
Functional safety	
MTTF (40 °C)	640 a
Interface	

1/2

PNP normally open (NO)

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10 %

±10 %

Material

Housing material Brass, Nickel-free coated

Material sensing surface

Mechanical data

Dimension Ø 30 x 83 mm Installation non-flush Mounting length 55.00 mm M30x1.5 Size Tightening torque 70 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

24 mm 20.0 % 30 mm 30 mm 5.0 %

Remarks

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

Not for flush mounting: See installation instructions for inductive sensors with extended range 939229.

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

