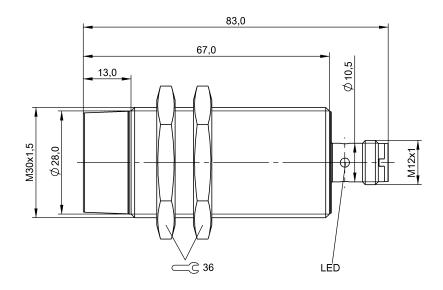
BES M30MM-PSC30F-S04G **Order Code: BES03RE**











Basic features

Dasio icatares		
Approval/Conformity	cULus	
	CE	
	EAC	
	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
Short-circuit protection	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

Subject to change without notice: 180807

EN 60069 2 27 Chook	Holf cinus 20 ap 11 ms
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	IP67
Functional safety	

BES M30MM-PSC30F-S04G **Order Code: BES03RE**



Material

Housing material Brass, Nickel-free coated Material sensing surface Surface protection Nickel-free coated

Mechanical data

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

Output/Interface

Switching output	PNP normally open (NO)
Range/Distance	
Assured operating distance Sa	24 mm
Hysteresis H max. (% of Sr)	20.0 %
Rated operating distance Sn	30 mm
Real switching distance sr	30 mm
Repeat accuracy max. (% of Sr)	5.0 %
Switching distance marking	
Temperature drift max. (% of Sr)	10 %
Tolerance Sr	±10 %

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.

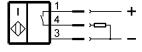
For more information about MTTF and B10d see MTTF / B10d Certificate

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



eCl@ss 9.1: 27-27-01-01

ETIM 6.0: EC002714 BES03RE_0.34_2020-03-05