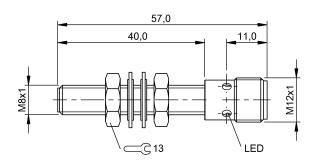
BES M08EG1-PSC15A-S04G-W

Order Code: BES02YT











Basic features

Additional features	Factor 1
	Weld immune
Approval/Conformity	CE
	WEEE
Basic standard	IEC 60947-5-2
Principle of operation	Inductive sensor
Trademark	Factor 1
Display/Operation	
Function indicator	yes
Function indicator Power indicator	yes no
Power indicator	
Power indicator Electrical connection	no
Power indicator Electrical connection Connection	no M12x1-Male, 4-pin, A-coded

Electrical data

Load capacitance max. at Ue	1 μF
Magnetic field strength, interference field	100 kA/m
Min. operating current Im	0 mA
No-load current lo max., damped	15 mA
No-load current lo max., undamped	15 mA
Operating voltage Ub	1030 VDC
Protection class	II
Rated insulation voltage Ui	250 V AC
Rated operating current le	150 mA
Rated operating voltage Ue DC	24 V
Rated short circuit current	100 A
Ready delay tv max.	15 ms
Residual current Ir max.	80 μΑ
Ripple max. (% of Ue)	10 %
Switching frequency	2000 Hz
Utilization category	DC -13
Voltage drop static max.	2.5 V

Environmental conditions

Subject to change without notice: 120168

magnetic field immune (AC/DC)
IP67
55 Hz, amplitude 1 mm, 3x30 min
Half-sinus, 30 g _n , 11 ms
3
-2570 °C

BES M08EG1-PSC15A-S04G-W Order Code: BES02YT



Interface

Switching output PNP normally open (NO)

Material

Housing material 1.4301 stainless steel, PTFE

coated

Material sensing surface PBT/PTFE

Mechanical data

 Dimension
 Ø 8 x 57 mm

 Installation
 for flush mounting

 Mounting length
 40.00 mm

 Size
 M8x1

 Tightening torque
 10 Nm

Range/Distance

Assured operating distance Sa 1.2 mm
Hysteresis H max. (% of Sr) 15.0 %
Rated operating distance Sn 1.5 mm
Real switching distance sr 1.5 mm
Repeat accuracy max. (% of Sr) 5.0 %
Temperature drift max. (% of Sr) 10 %
Tolerance Sr ±10 %

Remarks

EMC: For operating conditions with noise sources

External protection circuit is required. Document 825345.

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 (Schematic)

