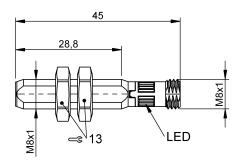
BES M08ZE1-PSC20B-S49G

Order Code: BES060N













basic realures	Ва	sic	features
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Application Approval/Conformity Basic standard Scope of delivery	Object detection CE cULus WEEE UKCA IEC 60947-5-2 2x nut M08x1
Display/Operation	
Function indicator Power indicator Electrical connection	yes yes
Connection Electrical version Polarity reversal protected	M8x1-Male, 3-pin, A-coded 3-wire yes

yes

Electrical data

Subject to change without notice: 287424

Load capacitance max. at Ue	1 μF
Min. operating current Im	0 mA
No-load current lo max., damped	7 mA
No-load current lo max., undamped	5 mA
Operating voltage Ub	1030 VDC
Output resistance Ra	Open drain
Rated insulation voltage Ui	75 V DC
Rated operating current le	100 mA
Rated operating voltage Ue DC	24 V
Rated short circuit current	100 A
Ready delay tv max.	50 ms
Ripple max. (% of Ue)	15 %
Switching frequency	600 Hz
Utilization category	DC -13
Voltage drop static max.	1.3 V

Environmental conditions				
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)	1410 a			
Interface				
Switching output	PNP normally open (NO)			

Protection against device mix-ups

Short-circuit protection

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Material

Housing material Die-cast zinc, nickel-plated

PC

Material sensing surface PBT

Mechanical data

Dimension Ø 8 x 45 mm Installation for flush mounting

Mounting length 29 mm M8x1 Tightening torque max. 3 Nm

Range/Distance

Assured operating distance Sa Hysteresis H max. (% of Sr) Rated operating distance Sn Repeat accuracy max. (% of Sr) Switching distance marking Temperature drift max. (% of Sr) Tolerance Sr

1.6 mm 15%

2 mm

10 % 10 %

Remarks

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

Find the installation instructions for inductive sensors in the download area of the sensor on the homepage.

Off: No supply voltage or sensor defective Green: Sensor ready, supply voltage applied

Yellow: Target detected Red: Error detected: short circuit undervoltage < 5-8 VDC overtemperature or overload

Error condition is only displayed in damped state

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: 287424

Connector Drawings



Wiring Diagrams (Schematic)

