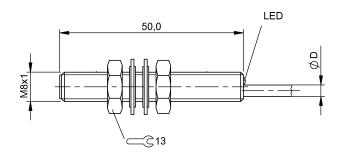
BES M08MI-NSC20B-BV03

Order Code: BES002R













Basic features

Approval/Conformity	CE
	UKCA
	cULus
	WEEE
Basic standard	IEC 60947-5-2
Trademark	Global

Display/Operation

Function indicator	yes
Power indicator	no

Flectrical connection

Short-circuit protection

Electrical confidention	
Cable diameter D	3.00 mm
Cable length L	3 m
Conductor cross-section	0.14 mm ²
Connection type	Cable, 3.00 m, PVC
Number of conductors	3
Polarity reversal protected	yes
Protection against device mix-ups	yes

yes

Electrical data

Load capacitance max. at Ue	1 μF
Min. operating current Im	0 mA
No-load current Io max., damped	10 mA
No-load current lo max., undamped	5 mA
Operating voltage Ub	1230 VDC
Output resistance Ra	33.0 kOhm + D
Rated insulation voltage Ui	75 V DC
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.	20 μΑ
Ripple max. (% of Ue)	15 %
Switching frequency	700 Hz
Utilization category	DC -13
Voltage drop static max.	2.5 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) Interface

Subject to change without notice: 225272

Switching output NPN normally open (NO)

880 a

Inductive Sensors

BES M08MI-NSC20B-BV03 Order Code: BES002R



Material

Housing material Brass, nickel-plated

PVC Material jacket Material sensing surface PA 12

Mechanical data

Dimension Ø 8 x 50 mm Installation for flush mounting Mounting length 50.00 mm M8x1 Tightening torque 3 Nm

Range/Distance

Assured operating distance Sa 1.6 mm Hysteresis H max. (% of Sr) 15.0 % Rated operating distance Sn 2 mm Real switching distance sr 2 mm Repeat accuracy max. (% of Sr) 5.0 % Switching distance marking Temperature drift max. (% of Sr) 10 % Tolerance Sr ±10 %

Remarks

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

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.

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Wiring Diagrams

