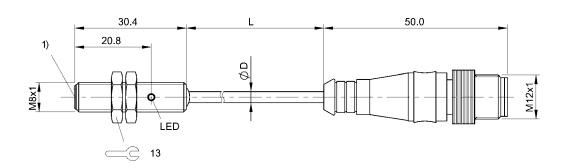
BES M08EE-PSH15B-EP01,5-GS04

Order Code: BES01P4





1) Sensing surface







- Basic realures	Basic	features
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Approval/Conformity	CE UKCA WEEE
Basic standard	IEC 60947-5-2
Display/Operation	
Function indicator	yes
Power indicator	no
Electrical connection	
Cable diameter D	3.00 mm
Cable length L	1.5 m
Connection	M12x1-Male, 4-pin, A-coded
Connection type	Cable with connector, 1.50 m, PUR
Polarity reversal protected	yes
Protection against device mix-ups	
1 Totalion against acrise mix apo	no
Short-circuit protection	no yes

Electrical data

Load capacitance max. at Ue	0.1 μF
Min. operating current Im	0 mA
No-load current lo max., damped	10 mA
No-load current lo max., undamped	7 mA
Operating voltage Ub	1055 VDC
Output resistance Ra	Open collector
Rated insulation voltage Ui	75 V DC
Rated operating current le	150 mA
Rated operating voltage Ue DC	24 V
Rated short circuit current	100 A
Ready delay tv max.	25 ms
Residual current Ir max.	50 μΑ
Ripple max. (% of Ue)	10 %
Switching frequency	5000 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	IP65
Functional safety	

770 a

MTTF (40 °C)

BES M08EE-PSH15B-EP01,5-GS04 Order Code: BES01P4



Interface

Switching output PNP normally open (NO)

Material

Housing materialStainless steelMaterial jacketPURMaterial sensing surfacePBT

Mechanical data

DimensionØ 8 x 30 mmInstallationfor flush mounting

Range/Distance

Assured operating distance Sa

Hysteresis H max. (% of Sr)

Rated operating distance Sn

Real switching distance sr

Repeat accuracy max. (% of Sr)

Temperature drift max. (% of Sr)

Tolerance Sr

1.2 mm

1.5 mm

1.5 mm

5.0 %

10 %

10 %

Remarks

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

EMC: Surge resistance

External protection circuit is required. Document 825345, Section 2.

Ta ≥ 25 °C... ≤ 70 °C: le= 200 − 1.1x(Ta-25)

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

