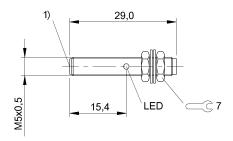
BES M05EC-PSC08B-S26G

Order Code: BES012Z





1) Sensing surface



Basic feature	S	
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Approval/Conformity	CE	
	cULus	
	EAC	
	WEEE	
Basic standard	IEC 60947-5-2	

Display/Operation

Function indicator	yes
Power indicator	no

Electrical connection

Connection	M5x0.5-Male
Polarity reversal protected	yes
Protection against device mix-ups	yes
Short-circuit protection	ves

Electrical data

Load capacitance max. at Ue	0.2 μF
Min. operating current Im	1 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	Open collector
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.	25 ms
Residual current Ir max.	80 μΑ
Ripple max. (% of Ue)	10 %
Switching frequency	3000 Hz
Utilization category	DC -13
Voltage drop static max.	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	

830 a

MTTF (40 °C)

Inductive Sensors

BES M05EC-PSC08B-S26G **Order Code: BES012Z**



Interface

Switching output PNP normally open (NO)

Material

Housing material Stainless steel PBT

Material sensing surface

Mechanical data

Dimension Ø 5 x 29 mm Installation for flush mounting

M5x0.5 Size Tightening torque 1 Nm

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

0.65 mm 15.0 % 0.8 mm 0.8 mm 5.0 % 10 %

-10 %/+40 %

Remarks

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

