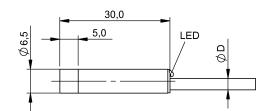
BES G06ED-NSC40F-BP02 Order Code: BES0008















Basic features

Approval/Conformity CE cUL

cULus EAC WEEE

Basic standard IEC 60947-5-2
Trademark Global

Display/Operation

Function indicator yes
Power indicator no

Electrical connection

Connection type Cable, 2.00 m, PUR

Electrical version 3-wire
Number of conductors 3
Polarity reversal protected yes
Protection against device mix-ups
Short-circuit protection yes

Electrical data

Load capacitance max. at Ue $1.0~\mu\text{F}$ No-load current lo max., damped 7 mA No-load current lo max., undamped 2 mA Operating voltage Ub 10...30 VDC Output resistance Ra 33.0 kOhm **Protection class** 250 V AC Rated insulation voltage Ui Rated operating current le 200 mA Rated operating voltage Ue DC 24 V Rated short circuit current 100 A Ready delay tv max. 25 ms Residual current Ir max. 10 μΑ 10 % Ripple max. (% of Ue) 4000 Hz Switching frequency

Environmental conditions

Utilization category

Voltage drop static max.

Ambient temperature -25...70 °C, Temperature drift

DC -13

2.5 V

max. (% of Sr) > 15% between

 $$50...70\ ^{\circ}\text{C}$$ Contamination scale \$3\$

EN 60068-2-27, Shock Half-sinus, 30 gn, 11 ms

EN 60068-2-6, Vibration 55 Hz, amplitude 1 mm, 3x30 min

Protection degree IP68

Functional safety

MTTF (40 °C) 595 a

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Material

Housing material	Stainless steel
Material jacket	PUR
Material sensing surface	PBT

Mechanical data

Dimension	Ø 6.5 x 30 mm	
Installation	non-flush	
Size	D6.5	

Output/Interface

Switching output	NPN normally open (NO)
Range/Distance	
Assured operating distance Sa	3.2 mm
Hysteresis H max. (% of Sr)	15.0 %
Rated operating distance Sn	4 mm
Real switching distance sr	4 mm
Repeat accuracy max. (% of Sr)	5.0 %
Switching distance marking	••
Temperature drift max. (% of Sr)	10 %
Tolerance Sr	±10 %

Remarks

Not for flush mounting: See installation instructions for inductive sensors with extended range 939229.

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.

Wiring Diagrams

