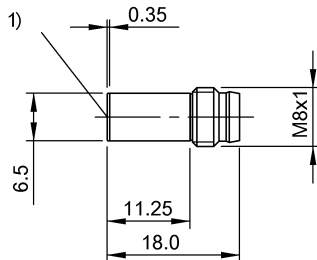


BES G06EA-POD15B-S49G BES025J



1) Sensing surface



IND. CONT. EQ
81U2
US
for use in the secondary of
a class 2 source of supply
Environmental - Type 1 Enclosure



Display/Operation

Function indicator	no
Power indicator	no

Electrical connection

Connection	M8x1-Connector, 3-pole
Polarity reversal protected	yes
Short-circuit protection	yes

Electrical data

Hysteresis H max. (% of Sr)	15.0 %
Load capacitance max. at Ue	0.2 μ F
No-load current I _o max., undamped	9 mA
Operating voltage U _b	10...30 VDC
Output resistance R _a	Open collector
Pollution degree	3
Protected against miswiring	yes
Rated insulation voltage U _i	75 V DC
Rated operating current I _e DC	150 mA
Rated operating voltage U _e DC	24 V
Rated short circuit current	100 A
Ready delay t _v max.	20 ms
Repeat accuracy max. (% of Sr)	5.0 %
Residual current I _r max.	10 μ A
Switching frequency	3000 Hz
Utilization category	DC -13
Voltage drop static max.	2.5 V

Environmental conditions

Ambient temperature	-25...70 °C
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Protection type IEC 60529

IP67

General data

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

Material

Housing material	Stainless steel
Material sensing surface	PBT

Mechanical data

Dimension	Ø 6.5 x 18 mm
Installation	for flush mounting
Size	D6.5

Output/Interface

Switching output	PNP Normally closed (NC)
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Range/Distance

Assured operating distance S _a	1.2 mm
Range	1.5 mm
Rated operating distance S _n	1.5 mm
Ripple max. (% of U _e)	10 %
Temperature drift max. (% of Sr)	10 %

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Remarks

For mounting and installation see Accessories section
EMC: EMC protection circuit required, see 825345. IVW: 2.2
The sensor is functional again after the overload has been eliminated.

Connector view



Wiring Diagram

