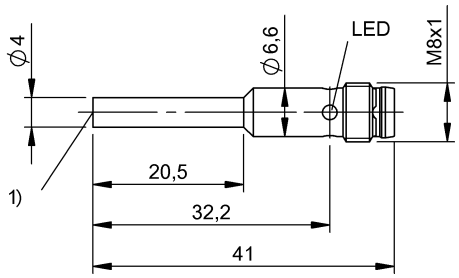
BES 516-3017-G-E5-C-S49
BES00KA



1) Sensing surface

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

Display/Operation

Function indicator	yes
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	1 µF
No-load current Io max., undamped	6 mA
Operating voltage Ub	10…30 VDC
Output resistance Ra	Open drain
Pollution degree	3
Protected against miswiring	yes
Rated insulation voltage Ui	75 V DC
Rated operating current Ie DC	100 mA
Rated operating voltage Ue DC	24 V
Rated short circuit current	100 A
Ready delay tv max.	21 ms
Repeat accuracy max. (% of Sr)	5.0 %
Residual current Ir max.	10 µA
Switching frequency	5000 Hz
Utilization category	DC -13
Voltage drop static max.	2 V

Environmental conditions

Ambient temperature	-25…70 °C
Protection type IEC 60529	IP67

General data

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

Material

Housing material	Stainless steel
Material sensing surface	PBT

Mechanical data

Dimension	Ø 4 x 41 mm
Installation	for flush mounting
Size	D4.0

Output/Interface

Switching output	PNP Normally closed (NC)

Range/Distance

Assured operating distance Sa	1.21 mm
Range	1.5 mm
Rated operating distance Sn	1.5 mm
Ripple max. (% of Ue)	10 %
Switching distance marking	■■
Temperature drift max. (% of Sr)	10 %

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Remarks

The sensor is functional again after the overload has been eliminated.
EMC: Surge resistance
External protection circuit is required. Document 825345, Section 2.

Connector view

Wiring Diagram