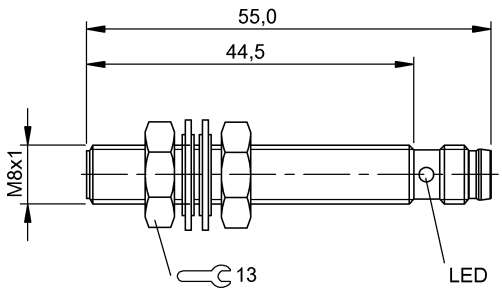
BES 516-324-S49-C
BES01AW



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	0.5 µF
MTTF (40 °C)	830 a
No-load current Io max., undamped	3 mA
Operating voltage Ub	10…30 VDC
Output resistance Ra	33.0 kOhm + D
Pollution degree	3
Protected against miswiring	yes
Rated insulation voltage Ui	250 V AC
Rated operating current Ie DC	200 mA
Rated operating voltage Ue DC	24 V
Rated short circuit current	100 A
Ready delay tv max.	20 ms
Repeat accuracy max. (% of Sr)	5.0 %
Residual current Ir max.	20 µA
Switching frequency	3000 Hz
Utilization category	DC -13
Voltage drop static max.	2.5 V

Environmental conditions

Ambient temperature	-25…70 °C
Protection class	II
Protection type IEC 60529	IP68

Functional safety

Diagnostic coverage	0.0 %
Functional safety	no
Mission Time	20 a

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 8 x 55 mm
Installation	for flush mounting
Size	M8x1
Tightening torque	8 Nm

Output/Interface

Switching output	PNP Normally open (NO)

Range/Distance

Assured operating distance Sa	1.2 mm
Range	1.5 mm
Rated operating distance Sn	1.5 mm

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Ripple max. (% of Ue)	15 %
Temperature drift max. (% of Sr)	10 %

Remarks

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

For further information on MTTF/B10d, please refer to the MTTF / B10d Certificate.

Specification of the MTTF value and the B10d value do not represent any binding quality and/or life expectancy guarantees.

Connector view

Wiring Diagram