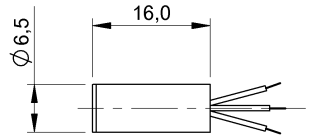
BES 516-371-SA16
BES037L



Display/Operation

Function indicator	no
Power indicator	no

Electrical connection

Cable diameter D	1.00 mm
Cable length	0.1 m
Conductor cross-section	0.14 mm²
Connection type	Leads, 0.10 m
Number of conductors	3
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	75 V DC
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.	10 µA
Switching frequency	2000 Hz
Utilization category	DC -13
Voltage drop static max.	2.5 V

Environmental conditions

Ambient temperature	-25…70 °C
Protection type IEC 60529	IP65

Functional safety

Diagnostic coverage	0 %
Functional safety	no
Mission Time	20 a

General data

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

Material

Housing material	Stainless steel
Material sensing surface	PBT

Mechanical data

Dimension	Ø 6.5 x 16 mm
Installation	for flush mounting
Size	D6.5

Output/Interface

Switching output	PNP Normally open (NO)

Range/Distance

Assured operating distance Sa	1.6 mm
Range	2 mm

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Rated operating distance Sn	2 mm
Ripple max. (% of Ue)	15 %
Switching distance marking	■■
Temperature drift max. (% of Sr)	10 %

Remarks

Shielded: See installation instructions for inductive sensors with extended range 825357.
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.

Wiring Diagram