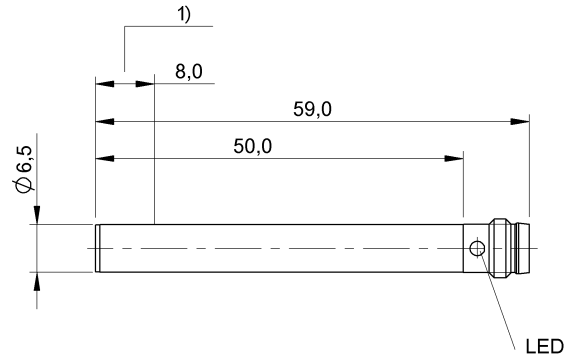
BES G06MI-PSC40B-S49G
BES01NT



1) see remarks

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
MTTF (40 °C)	355 a
No-load current Io max., undamped	8 mA
Operating voltage Ub	10…30 VDC
Output resistance Ra	33.0 kOhm + 2D
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.	10 ms
Repeat accuracy max. (% of Sr)	5.0 %
Residual current Ir max.	10 µA
Switching frequency	700 Hz
Utilization category	DC -13
Voltage drop static max.	2.8 V

Environmental conditions

Ambient temperature	0…60 °C
Protection type IEC 60529	IP65

Functional safety

Diagnostic coverage	0 %
Functional safety	no
Mission Time	20 a

General data

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

Material

Housing material	Brass
Material sensing surface	PBT
Surface protection	nickel plates

Mechanical data

Dimension	Ø 6.5 x 59 mm
Installation	quasi-flush
Size	D6.5

Output/Interface

Switching output	PNP Normally open (NO)

BES G06MI-PSC40B-S49G
BES01NT

Range/Distance

Assured operating distance Sa	2.9 mm
Range	4 mm
Rated operating distance Sn	4 mm
Ripple max. (% of Ue)	15 %
Switching distance marking	■■■■
Temperature drift max. (% of Sr)	20 %

Remarks

1) Do not clamp in this area.
EMC: EMC protection circuit required, see 825345. Burst: 1.2 IVW: 2.2
The sensor is functional again after the overload has been eliminated.
1) Do not clamp in this area.
Quasi-shielded: See installation instructions for inductive sensors with extended range 825356.
Quasi-shielded: See installation instructions for inductive sensors with extended range 825356.
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