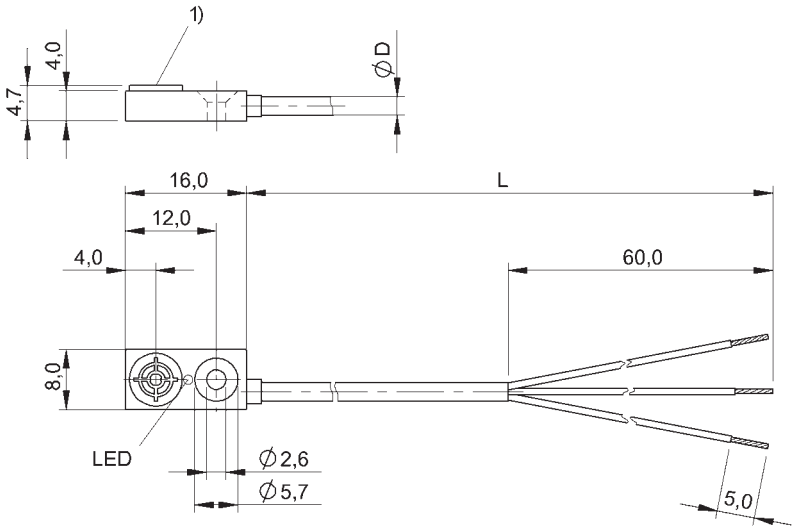
Inductive sensor

BES R04KC-NSC15B-EV05
BES01Y4



1) Active surface

- **NPN**
- **Normally open (NO)**
- **1.50 mm**
- **Flush (shielded)**
- **Cable, PVC, 5.00 m**

LISTED IND. CONT. EQ. 81U2 for use in the secondary of a class 2 source of supply

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

General attributes	
Approvals / Conformity	CE cULus EAC
Basic standard	IEC 60947-5-2
Enclosure Type per IEC 60529	IP67
Function indicator	Yes
Polarity reversal protected	Yes
Power indicator	No
Short circuit protected	Yes
MTTF (40°C)	585 a
Electrical attributes	
Connection type	Cable
Eff. operating current Ie	100 mA
Eff. operating voltage Ue DC	24.0 V
Electrical version	DC, direct current
Load capacitance max. (at Ue)	0.200 µF
Max. no-load cur. Io undamped	3.0 mA
No-load current Io damped max.	14.0 mA
Operating voltage UB max. DC [V]	30.0 V
Operating voltage UB min. DC [V]	10.0 V
Rated insulation voltage Ui	75 VDC
Rated short circuit current	100 A
Ripple max. (% of Ue)	15 %
Switching freq. f max. (at Ue)	2500 Hz
Switching function	Normally open (NO)
Switching output	NPN
Voltage drop static max.	1.8 V
Mechanical attributes	
Ambient temperature Ta max.	70 °C
Ambient temperature Ta min.	-25 °C
Assured operating distance Sa	1.20 mm
Cable diameter D max.	2.5 mm
Cable jacket material	PVC
Cable length	5.00 m
Conductor cross-section	0.09 mm²
Depth	4.7 mm
Eff. operating distance Sr	1.50 mm
Height (small side)	8.0 mm
Housing material	PA 6 - GF30
Mech. installation condition	Flush (shielded)
Number of conductors	3
Rated operating distance Sn [mm]	1.50 mm
Sensing face material	PA 6 - GF30
Width (long side)	16.0 mm

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.

