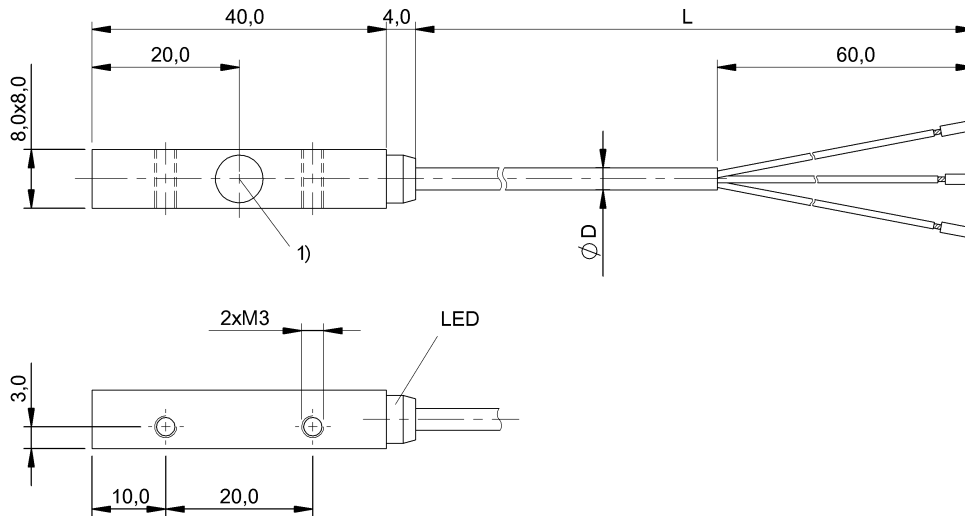


## BES Q08ZE-NOC20B-BP03 BES01U5



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

Cable diameter D	3.00 mm
Cable length	3 m
Conductor cross-section	0.14 mm <sup>2</sup>
Connection type	Cable, 3.00 m, PUR
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
No-load current I <sub>0</sub> max., undamped	15 mA
Operating voltage U <sub>b</sub>	10...30 VDC
Output resistance R <sub>a</sub>	33.0 kOhm + D
Pollution degree	3
Protected against miswiring	yes
Rated insulation voltage U <sub>i</sub>	75 V DC
Rated operating current I <sub>e</sub> DC	200 mA
Rated operating voltage U <sub>e</sub> DC	24 V
Rated short circuit current	100 A
Ready delay t <sub>v</sub> max.	10 ms
Repeat accuracy max. (% of Sr)	5.0 %
Residual current I <sub>r</sub> max.	80 µA
Switching frequency	3000 Hz
Utilization category	DC -13
Voltage drop static max.	2.5 V

### Environmental conditions

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

### General data

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

### Material

Housing material	Zinc, Die casting
Material jacket	PUR
Material sensing surface	PBT

### Mechanical data

Dimension	40 x 8 x 8 mm
Installation	for flush mounting

### Output/Interface

Switching output	NPN Normally closed (NC)
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### Range/Distance

Assured operating distance S <sub>a</sub>	1.6 mm
Range	2 mm
Rated operating distance S <sub>n</sub>	2 mm
Ripple max. (% of U <sub>e</sub> )	15 %
Switching distance marking	■

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Temperature drift max. (% of Sr)      10 %

## Remarks

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

## Wiring Diagram

