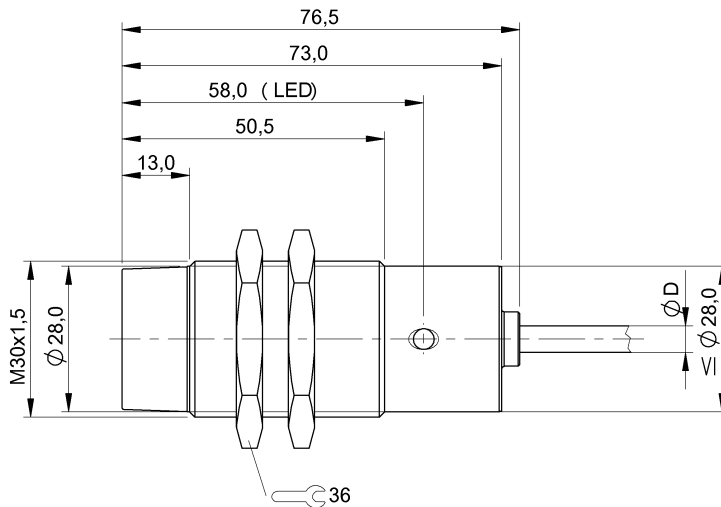


BES 516-126-BO-C-03  
BES0174



IND. CONT. EQ  
8TU2  
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	4.60 mm
Cable length	3 m
Conductor cross-section	0.25 mm <sup>2</sup>
Connection type	Cable, 3.00 m, PVC
Number of conductors	4
Polarity reversal protected	yes
Short-circuit protection	yes

## Electrical data

Hysteresis H max. (% of Sr)	15.0 %
Load capacitance max. at Ue	1 µF
No-load current I <sub>o</sub> max., undamped	20 mA
Operating voltage U <sub>b</sub>	10...30 VDC
Output resistance R <sub>a</sub>	2.2 kOhm + D + LED/4.7 kOhm + D
Pollution degree	3
Protected against miswiring	yes
Rated insulation voltage U <sub>i</sub>	250 V AC
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.	30 ms
Repeat accuracy max. (% of Sr)	5.0 %
Residual current I <sub>r</sub> max.	80 µA
Switching frequency	100 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

## General data

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

## Material

Housing material	Brass
Material jacket	PVC
Material sensing surface	PA 12
Surface protection	nickel plates

## Mechanical data

Dimension	Ø 30 x 76.5 mm
Installation	non-flush
Size	M30x1.5
Tightening torque	70 Nm

## Output/Interface

Switching output	NPN Normally open/Normally closed (NO/NC)
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## Range/Distance

Assured operating distance S <sub>a</sub>	12.2 mm
Range	15 mm

BES 516-126-BO-C-03  
BES0174

Rated operating distance $S_n$	15 mm
Ripple max. (% of $U_e$ )	15 %
Temperature drift max. (% of $S_r$ )	10 %

## Remarks

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

## Wiring Diagram

