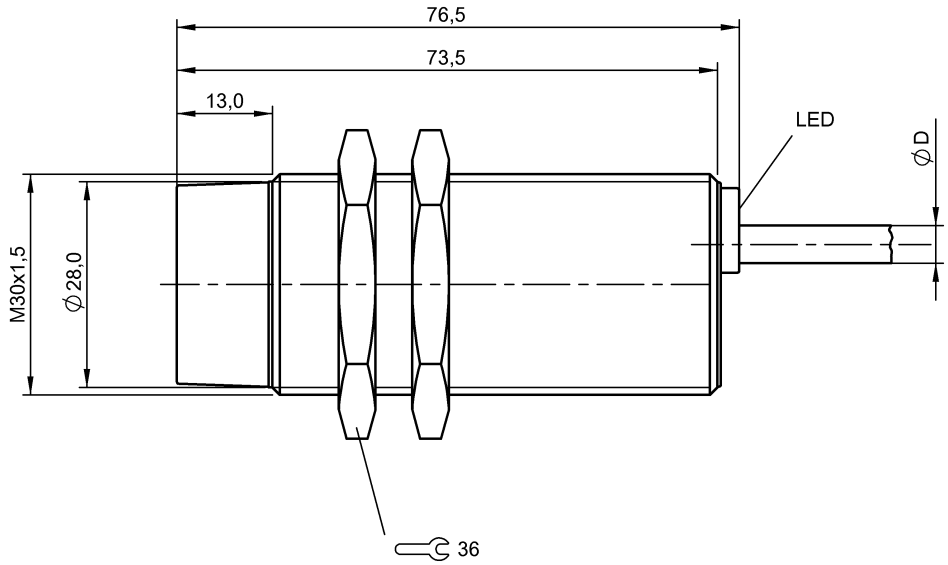
BES M30MM-NSC30F-BV02
BES00AN



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	4.60 mm
Cable length	2 m
Conductor cross-section	0.34 mm²
Connection type	Cable, 2.00 m, PVC
Number of conductors	3
Polarity reversal protected	yes
Short-circuit protection	yes

Electrical data

Hysteresis H max. (% of Sr)	20.0 %
Load capacitance max. at Ue	0.5 µF
MTTF (40 °C)	620 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	250 V AC
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	300 Hz
Utilization category	DC -13
Voltage drop static max.	2.5 V

Environmental conditions

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

Functional safety

Diagnostic coverage	0 %
Functional safety	no
Mission Time	20 a

General data

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

Material

Housing material	Brass
Material jacket	PVC
Material sensing surface	PBT
Surface protection	nickel-free coated

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 (NO)

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Range/Distance

Assured operating distance Sa	24 mm
Range	30 mm
Rated operating distance Sn	30 mm
Ripple max. (% of Ue)	15 %
Switching distance marking	■■
Temperature drift max. (% of Sr)	10 %

Remarks

Not for flush mounting: see installation instructions for inductive sensors with extended switching distance 853924.
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