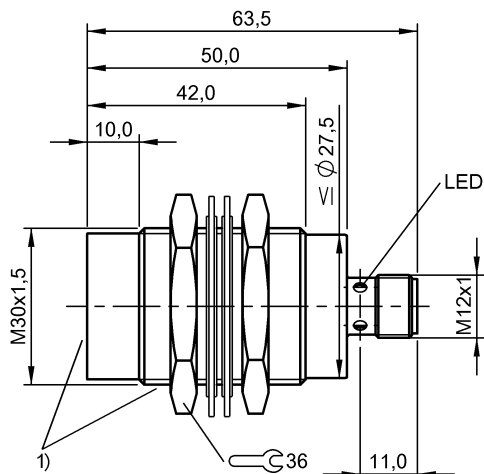




1) Pressure resistant area



IND. CONT. EQ
11RZ
for use in the secondary of
a class 2 source of supply

Display/Operation

Function indicator	yes
Power indicator	no

Electrical connection

Connection	M12x1-Male, 4-pin, A-coded
Polarity reversal protected	yes
Protection against device mix-ups	yes
Short-circuit protection	yes

Electrical data

Load capacitance max. at U _e	1 µF
Min. operating current I _m	0 mA
No-load current I _o max., damped	12 mA
No-load current I _o max., undamped	12 mA
Operating voltage U _b	10...30 VDC
Output resistance R _a	47.0 kOhm
Rated insulation voltage U _i	75 V DC
Rated operating current I _e	200 mA
Rated operating voltage U _e DC	24 V
Rated short circuit current	100 A
Ready delay t _v max.	10 ms
Residual current I _r max.	100 µA
Ripple max. (% of U _e)	20 %
Switching frequency	100 Hz
Utilization category	DC -13
Voltage drop static max.	2 V

Environmental conditions

Ambient temperature	-25...70 °C
Contamination scale	3
EN 60068-2-27, Shock	Half-sinus, 30 gn, 11 ms
EN 60068-2-6, Vibration	55 Hz, amplitude 1 mm, 3x30 min
IP rating	IP67

General data

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

Material

Housing material	Stainless steel
Material sensing surface	Stainless steel (1.4305)

Mechanical data

Dimension	Ø 30 x 63.5 mm
Installation	non-flush
Pressure rating max.	40 bar
Pressure rating, note	Pressure-resistant
Size	M30x1.5
Tightening torque	80 Nm ±10 %

Output/Interface

Switching output	PNP normally open (NO)
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Inductive Sensors
BES M30EE1-PSC40F-S04G-S
Order Code: BES02YC



Range/Distance

Assured operating distance Sa	32 mm
Hysteresis H max. (% of Sr)	15.0 %
Rated operating distance Sn	40 mm

Real switching distance sr	40 mm
Repeat accuracy max. (% of Sr)	5.0 %
Switching distance marking	■■■
Temperature drift max. (% of Sr)	10 %
Tolerance Sr	±10 %

Remarks

The sensor is functional again after the overload has been eliminated.
Installation permitted only in clamp without positive stop.
When installing in metal see Installation Instructions 939231.
LED flashes between 100% and approx. 70% of Sr

Connector Drawings



Wiring Diagrams

