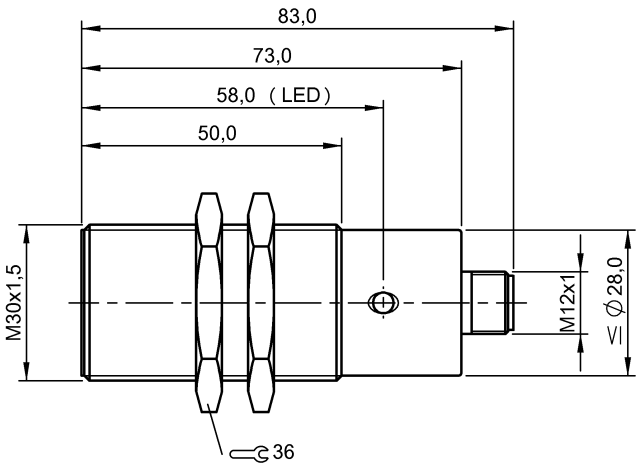
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Display/Operation

Function indicator	yes
Power indicator	no

Electrical connection

Connection	M12x1-Connector, 4-pole, A-coded
Polarity reversal protected	yes
Short-circuit protection	yes

Electrical data

Hysteresis H max. (% of Sr)	15.0 %
Load capacitance max. at Ue	1 µF
MTTF (40 °C)	500 a
No-load current Io max., undamped	10 mA
Operating voltage Ub	10…55 VDC
Output resistance Ra	33.0 kOhm + D/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.	10 ms
Repeat accuracy max. (% of Sr)	5.0 %
Residual current Ir max.	80 µA
Switching frequency	150 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

Functional safety

Diagnostic coverage	0 %
Functional safety	no
Mission Time	20 a

General data

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

Material

Housing material	Brass
Material sensing surface	PA 12
Surface protection	nickel-free coated

Mechanical data

Dimension	Ø 30 x 83 mm
Installation	for flush mounting
Size	M30x1.5
Tightening torque	70 Nm

Output/Interface

Switching output	PNP Normally open/Normally closed (NO/NC)

Range/Distance

Assured operating distance Sa	12 mm

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

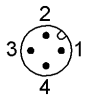
Remarks

The sensor is functional again after the overload has been eliminated.
Shielded: See installation instructions for inductive sensors with extended range 825357.

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.

Connector view



Wiring Diagram

