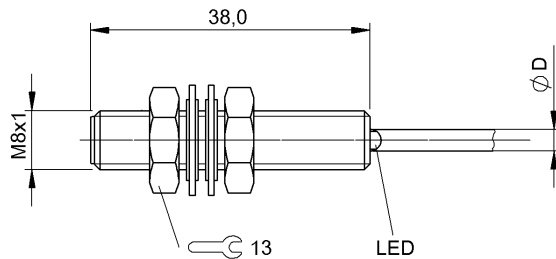


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Display/Operation

Function indicator	yes
Power indicator	no

Electrical connection

Cable diameter D	2.90 mm
Cable length	3 m
Conductor cross-section	0.14 mm ²
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	1 µF
No-load current I _o max., undamped	4 mA
Operating voltage U _b	10...40 VDC
Output resistance R _a	15.0 kOhm + LED
Pollution degree	3
Protected against miswiring	yes
Rated insulation voltage U _i	75 V DC
Rated operating current I _e DC	200 mA
Rated operating voltage U _e DC	35 V
Rated short circuit current	100 A
Ready delay t _v max.	10 ms
Repeat accuracy max. (% of Sr)	5.0 %
Residual current I _r max.	80 µA
Switching frequency	3000 Hz
Utilization category	DC -13
Voltage drop static max.	1.5 V

Environmental conditions

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

General data

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

Material

Housing material	Stainless steel (1.4034)
Material jacket	PUR
Material sensing surface	PBT

Mechanical data

Dimension	Ø 8 x 38 mm
Installation	for flush mounting
Size	M8x1
Tightening torque	5 Nm

Output/Interface

Switching output	NPN Normally open (NO)
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Range/Distance

Assured operating distance S _a	1.2 mm
Range	1.5 mm
Rated operating distance S _n	1.5 mm
Ripple max. (% of U _e)	15 %
Temperature drift max. (% of S _r)	10 %

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Wiring Diagram

