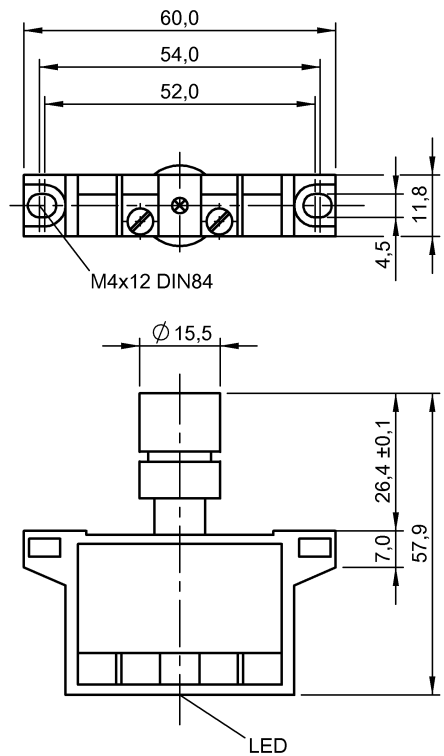




IND. CONT. EQ
81U2
Environmental -
Type 1 Enclosure



Display/Operation

Function indicator	yes
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Electrical connection

Short-circuit protection	no
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Electrical data

Min. operating current I_m	10 mA
Operating voltage U_b	90...250 VAC
Rated insulation voltage U_i	250 V AC
Rated operating current I_e	100 mA
Rated operating voltage U_e AC	220 V
Ready delay t_v max.	100 ms
Residual current I_r max.	1500 μ A
Switching frequency	15 Hz
Utilization category	AC-140
Voltage drop static max.	8.5 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 only when installed in multiple limit switches

General data

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

Material

Housing material	PA
Material sensing surface	PA 12

Mechanical data

Connection cross-section	2.5 mm ²
Dimension	60 x 15.5 x 57.9 mm
Installation	for flush mounting
Tightening torque clamping screw	0.5 Nm

Output/Interface

Switching output	Normally closed (NC)
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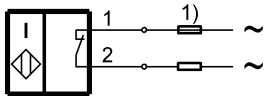
Range/Distance

Assured operating distance Sa	4 mm
Hysteresis H max. (% of Sr)	20.0 %
Rated operating distance Sn	5 mm
Real switching distance sr	5 mm
Repeat accuracy max. (% of Sr)	5.0 %
Temperature drift max. (% of Sr)	10 %
Tolerance Sr	±10 %

Remarks

Recommendation: After a short circuit check the device for proper function.
Insert element must be installed in aluminum housing.
A filter is required for the EMC protection circuit. Conducted interference emission. Epcos, Model: B84112B0000B030.

Wiring Diagrams



1) For SCP see electrical data