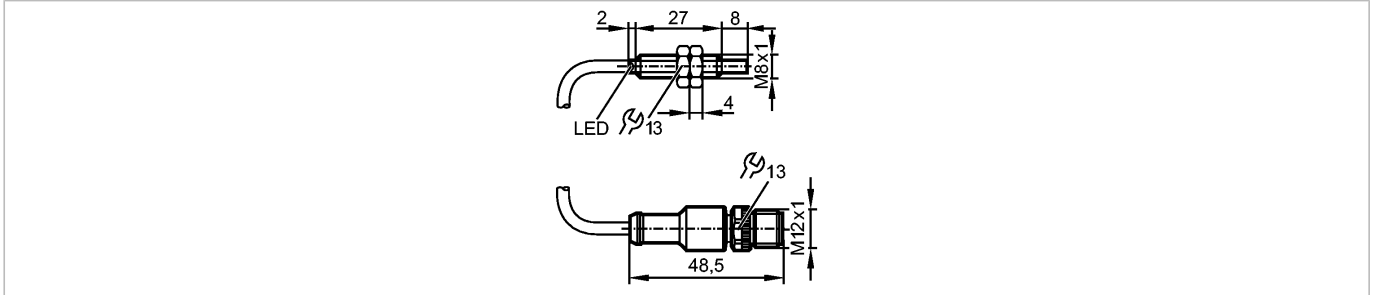




IEBC005-ASKG/0.3M/US

Inductive sensors



Product characteristics

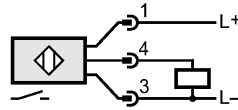
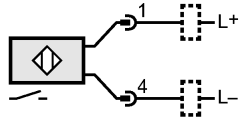
Inductive sensor	
Metal thread M8 x 1	
Cable with connector	
Operation as 3-wire or 2-wire possible	
Sensing range 5 mm; [n] non-flush mountable	
Electrical data	
Electrical design 3-wire DC PNP; 2-wire DC PNP/NPN	
Operating voltage [V]	10...30 DC
Current consumption [mA]	< 10 only in 3-wire operation
Protection class	III
Reverse polarity protection	yes
Outputs	
Output function	normally open
Voltage drop [V]	< 2.8
Minimum load current [mA]	2; only in 2-wire operation
Leakage current [mA]	< 0.5; only in 2-wire operation
Current rating [mA]	100
Short-circuit protection	yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	700
Monitoring range	
Sensing range [mm]	5
Real sensing range (Sr) [mm]	5 ± 10 %
Operating distance [mm]	0...4.05
Accuracy / deviations	
Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / aluminium approx. 0.4 / copper approx. 0.3
Hysteresis [% of Sr]	1...15
Switch-point drift [% of Sr]	-10...10
Environment	
Ambient temperature [°C]	0...60
Protection	IP 67
Tests / approvals	
EMC	EN 60947-5-2
MTTF [Years]	2988
Mechanical data	
Mounting	non-flush mountable
Housing materials	brass white bronze coated; active face: LCP
Weight [kg]	0.032
Displays / operating elements	
Output status indication LED	yellow
Electrical connection	

# IE5352 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Connection

PVC cable / 0.3 m; 3 x 0.14 mm<sup>2</sup>; with M12 connector, rotatable

## Wiring



Accessories

Accessories (included)

2 lock nuts

Remarks

Pack quantity

[piece]

1

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