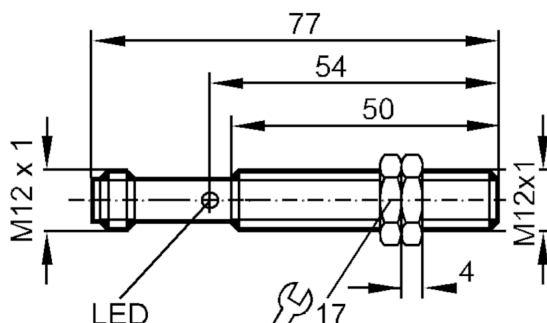


IF0299



Inductive sensor

IFA2002-ABOW/SL/BS-400B RT



Electrical data

Frequency AC	[Hz]	47...63
Operating voltage	[V]	20...250 AC
Protection class		I
Reverse polarity protection		no

Outputs

Output function		normally open
Max. voltage drop switching output AC	[V]	8.5
Minimum load current	[mA]	8
Max. leakage current	[mA]	1.7
Permanent current rating of switching output AC	[mA]	200; (250 (...50 °C))
Short-time current rating of switching output	[mA]	900; (20 ms / 0,5 Hz)
Switching frequency AC	[Hz]	25
Short-circuit proof		no
Overload protection		no

Detection zone

Sensing range	[mm]	2
Real sensing range Sr	[mm]	2 ± 10 %
Operating distance	[mm]	0...1.6

Accuracy / deviations

Hysteresis	[% of Sr]	1...15
Switch point drift	[% of Sr]	-10...10

Operating conditions

Ambient temperature	[°C]	-25...80
Protection		IP 67

Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	932



Inductive sensor

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Mechanical data		
Weight	[g]	34.8
Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M12 x 1
Thread designation		M12 x 1
Materials		brass nickel-plated; PBT white

Displays / operating elements		
Display	switching status	1 x LED, red

Electrical connection		
Connection		plug
Required protection		miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting

Accessories		
Accessories (supplied)		lock nuts: 2

Remarks		
Remarks	Recommendation: Check the safe functioning of the unit after a short circuit.	
Pack quantity		1 pcs.

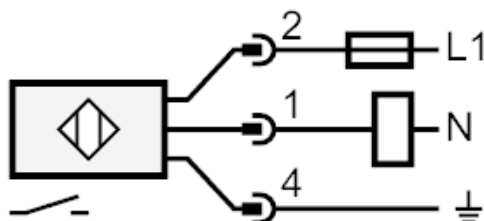
Electrical connection - plug

; 2 x 0.5 mm²

Connector: 1 x M12



Connection

Note miniature fuse to IEC60127-2 sheet 1 ≤ 2 A fast acting