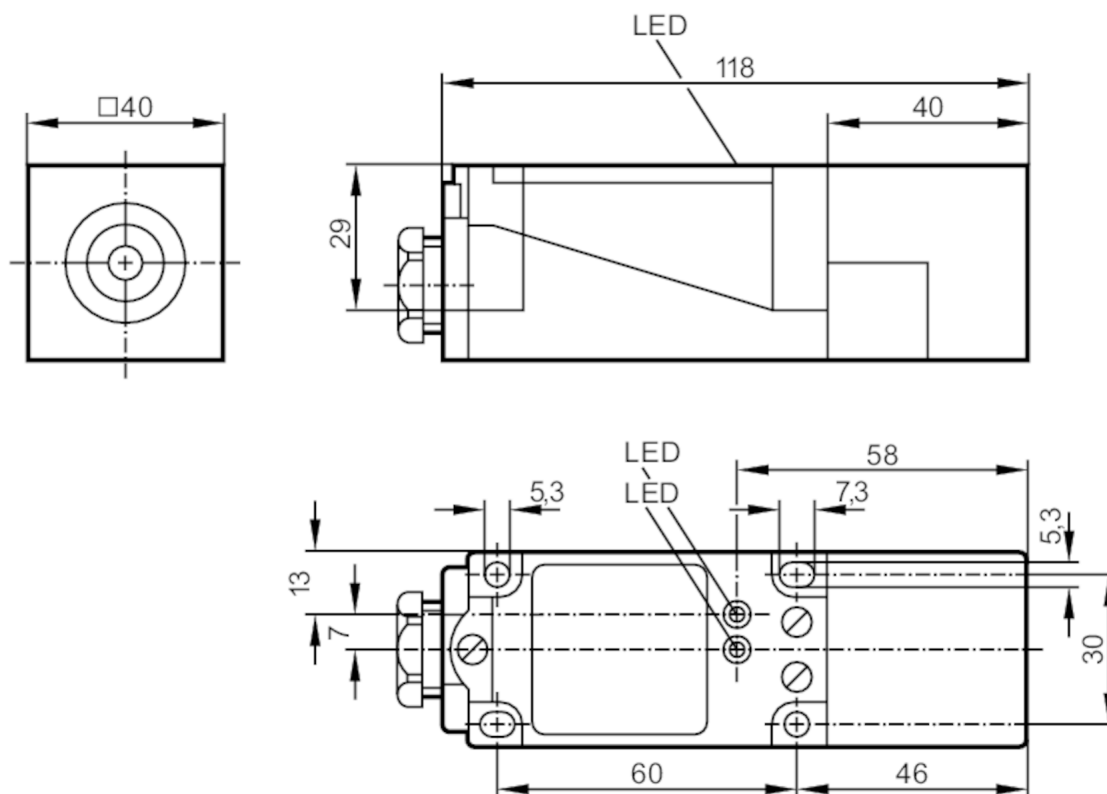


Inductive sensor

IVE2015UFBOW

Article no longer available - archive entry



Product characteristics

Output function		normally open / normally closed; (selectable)
Sensing range	[mm]	15
Housing		rectangular
Dimensions	[mm]	40 x 40 x 118

Application

Special feature		Magnetic-field immune
Magnetic-field immune		yes

Electrical data

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

Outputs

Output function		normally open / normally closed; (selectable)
Max. voltage drop switching output AC	[V]	7
Minimum load current	[mA]	10
Max. leakage current	[mA]	5
Permanent current rating of switching output AC	[mA]	500
Switching frequency AC	[Hz]	25



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Short-circuit protection	no
Overload protection	no

Detection zone

Sensing range	[mm]	15
Real sensing range S_r	[mm]	$15 \pm 10 \%$
Operating distance	[mm]	0...12.1

Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2	
Hysteresis	[% of S_r]	1...15
Switch point drift	[% of S_r]	-10...10

Operating conditions

Ambient temperature	[°C]	-25...70
Protection	IP 67	

Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B

Mechanical data

Housing	rectangular	
Mounting	flush mountable	
Dimensions	[mm]	40 x 40 x 118
Materials	PBT	

Displays / operating elements

Display	switching status	1 x LED, yellow
	operation	1 x LED, green

Remarks

Remarks	Cable gland (E11270) to be ordered separately	
Pack quantity	1 pcs.	

Electrical connection

terminals: ...2.5 mm²

Connection

