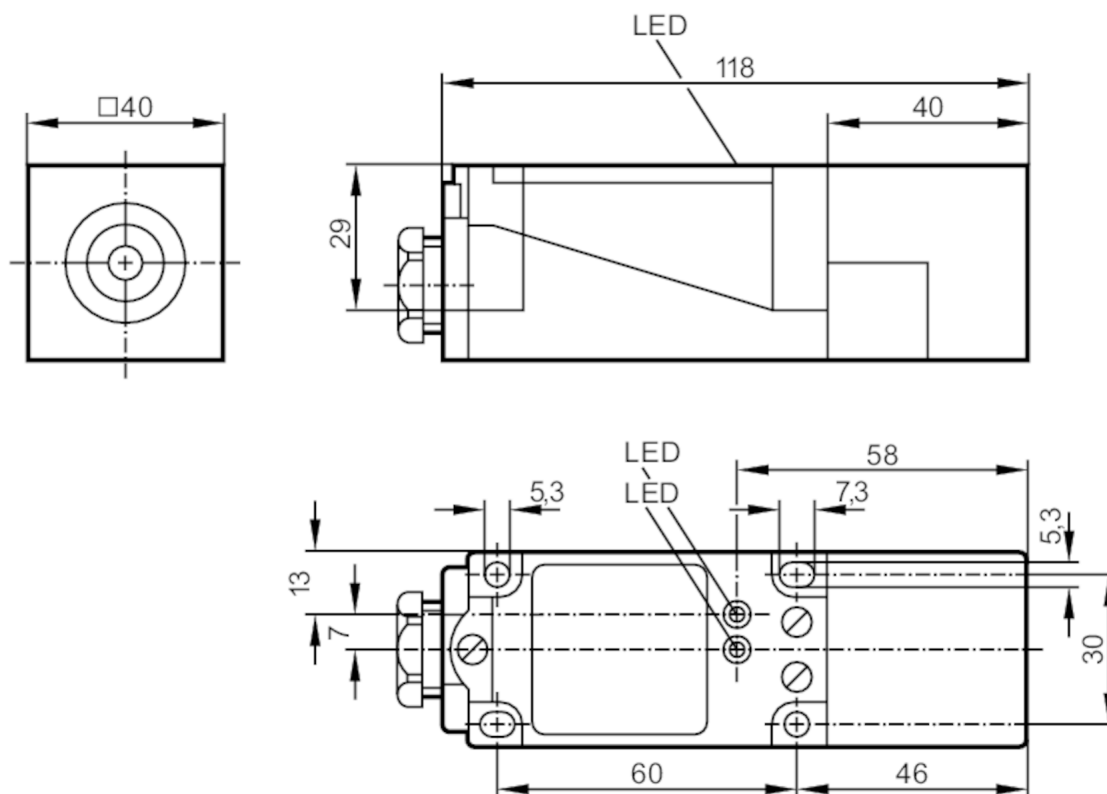


Inductive sensor

IVE2020ZFBOW

Article no longer available - archive entry



Product characteristics

Output function		normally open / normally closed; (selectable)
Sensing range	[mm]	20
Housing		rectangular
Dimensions	[mm]	40 x 40 x 118

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]	2.5
Permanent current rating of switching output AC	[mA]	500
Switching frequency AC	[Hz]	25
Short-circuit protection		no



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Overload protection		no	
Detection zone			
Sensing range	[mm]	20	
Real sensing range Sr	[mm]	20 ± 10 %	
Operating distance	[mm]	0...16.2	
Accuracy / deviations			
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2	
Hysteresis	[% of Sr]	1...15	
Switch point drift	[% of Sr]	-10...10	
Operating conditions			
Ambient temperature	[°C]	-25...100	
Protection		IP 67	
Tests / approvals			
EMC		EN 60947-5-2	
		EN 55011	class B
Mechanical data			
Housing		rectangular	
Mounting		non-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
Electrical connection			
Required protection		miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting	
Remarks			
Remarks		Cable gland (E11270) to be ordered separately	
		Recommendation: Check the safe functioning of the unit after a short circuit.	
Pack quantity		1 pcs.	



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Electrical connection

terminals: ...2.5 mm²; Cable sheath: Ø 7...13 mm; Cable gland: M20 X 1.5

Connection



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