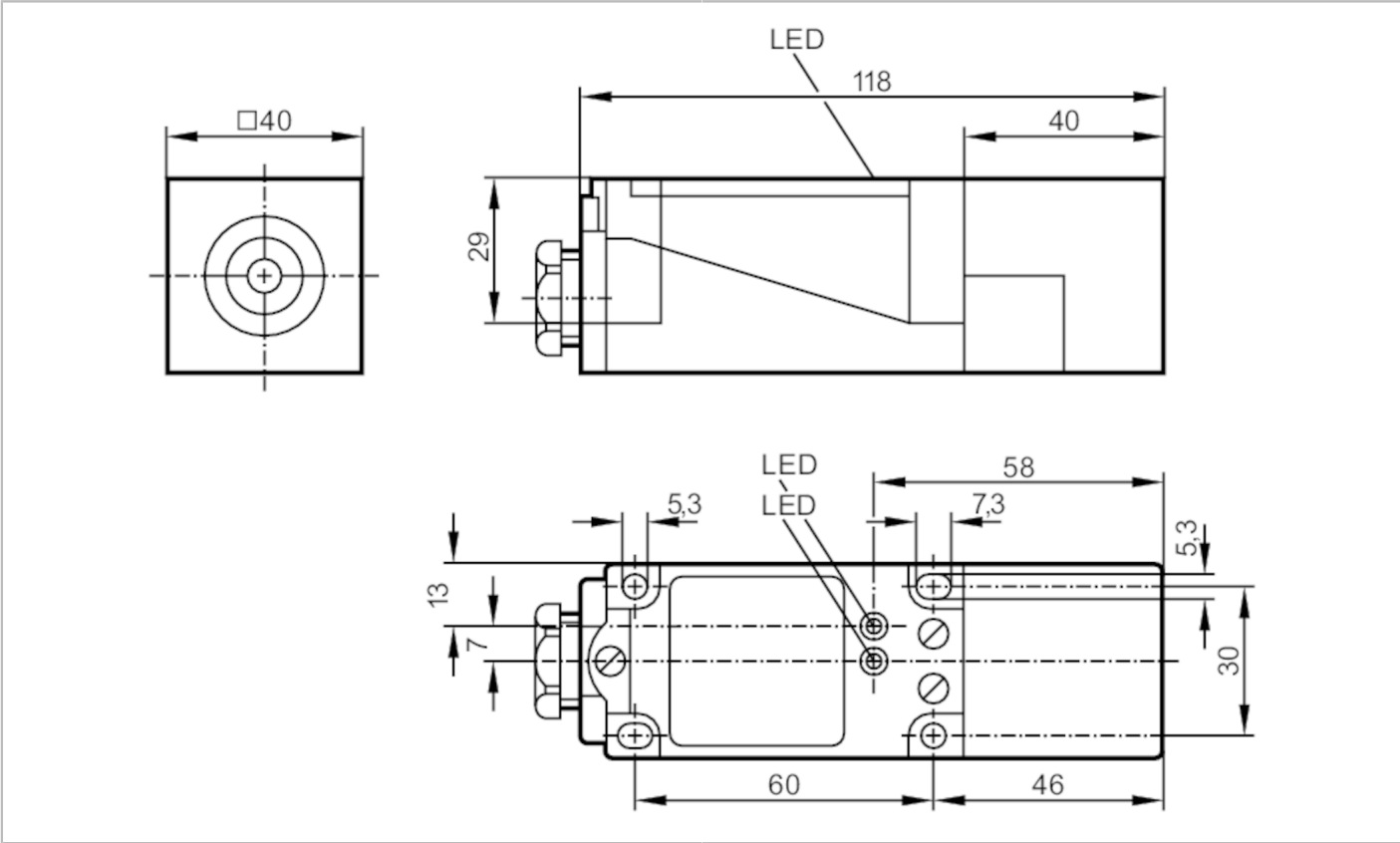




Inductive sensor

IVE2020ZFBOW

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Product characteristics		
Output function		normally open / 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 / 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	
Monitoring range		
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 / aluminum: 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
Material	PBT	
Displays / operating elements		
Display	Switching status	1 x LED, yellow
	Power	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 unit for reliable function 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