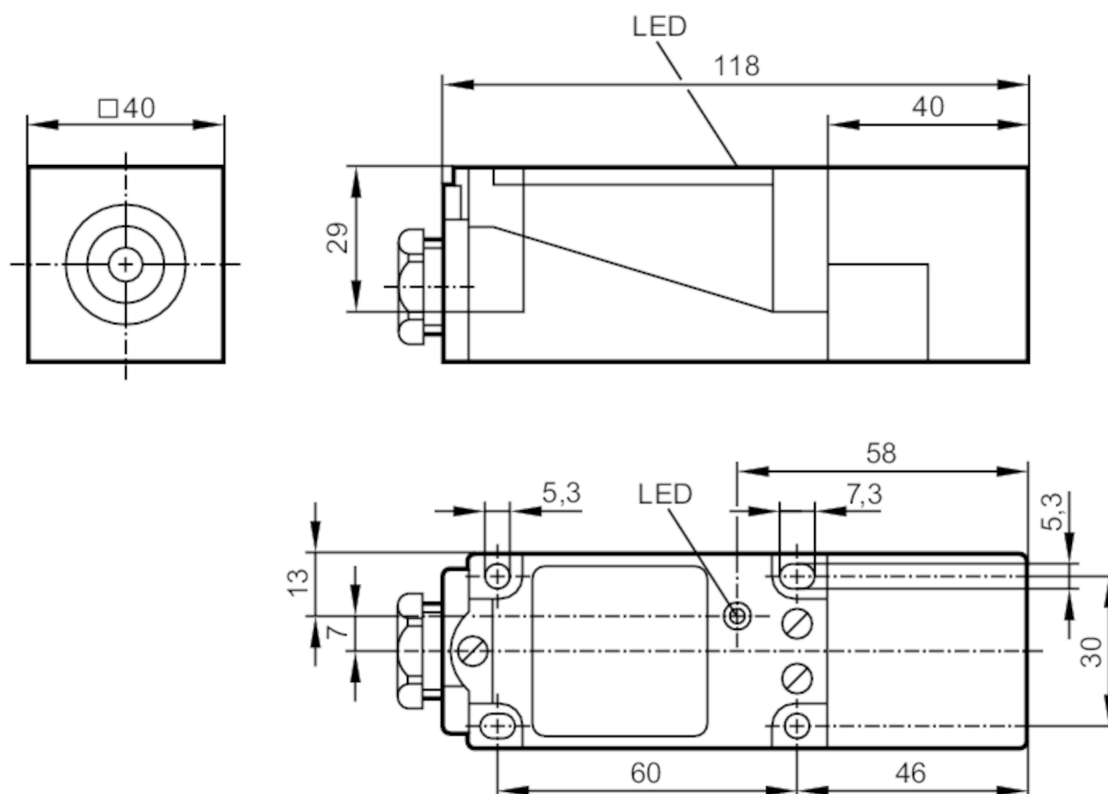




Inductive sensor

IVE2020-FBKA



Electrical data

Operating voltage	[V]	20...250 AC/DC
Protection class		II
Reverse polarity protection		yes

Outputs

Output function		normally open / normally closed; (selectable)
Max. voltage drop switching output DC	[V]	7
Max. voltage drop switching output AC	[V]	7
Minimum load current	[mA]	8
Max. leakage current	[mA]	2.5
Permanent current rating of switching output AC	[mA]	500
Permanent current rating of switching output DC	[mA]	500
Switching frequency AC	[Hz]	25
Switching frequency DC	[Hz]	25
Short-circuit protection		yes
Overload protection		yes



Inductive sensor

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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...70
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	class B
	EN 55011	
Mechanical data		
Weight	[g]	258.4
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
Remarks		
Remarks	Cable gland (E11270) to be ordered separately	
Pack quantity	1 pcs.	
Electrical connection		
terminals: ...2.5 mm²; Cable gland: M20 X 1.5		
Connection		

