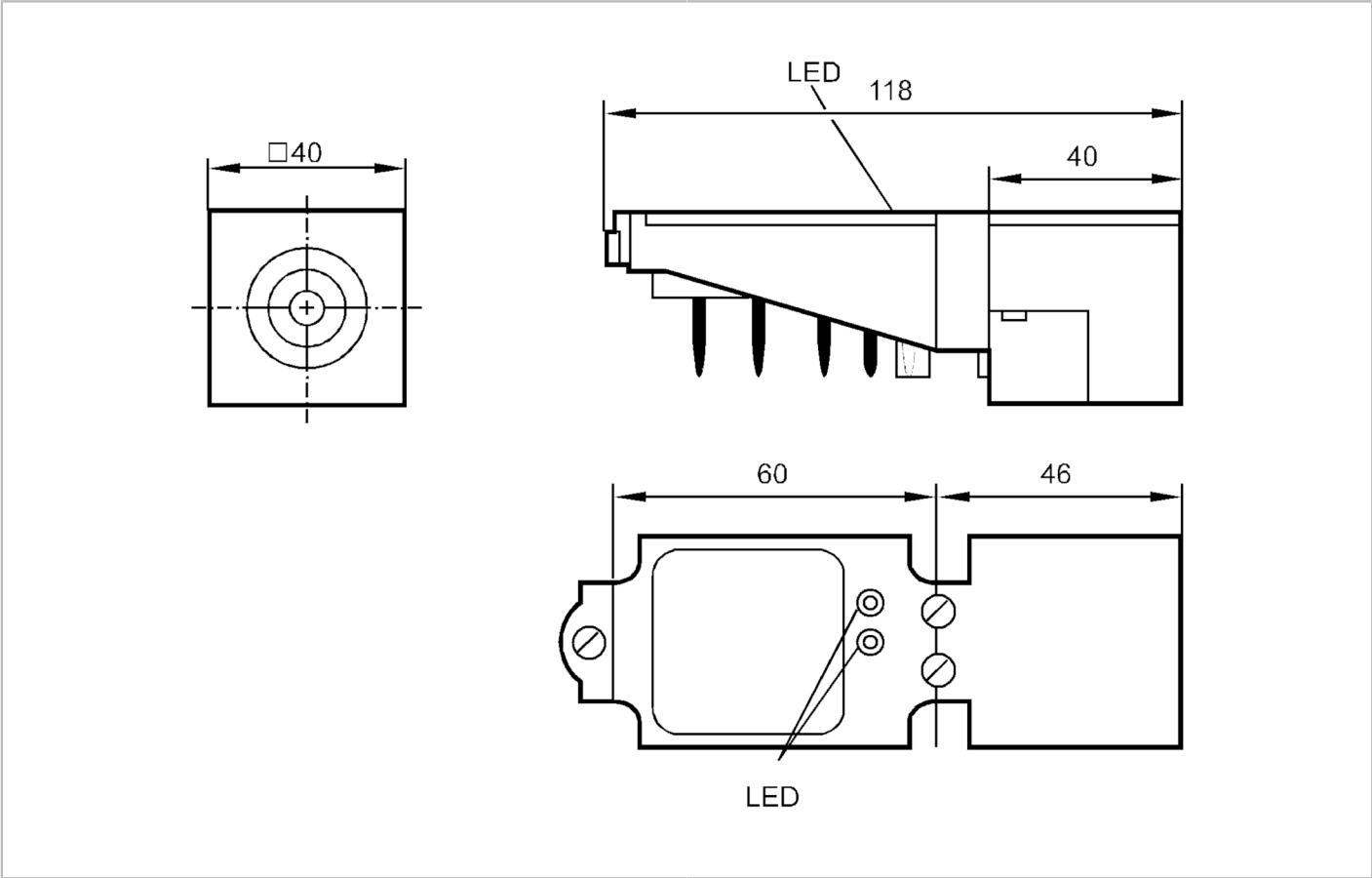




Inductive sensor

IVE3020BBPKG Elektronikteil

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Product characteristics		
Electrical design		PNP
Output function		normally open
Sensing range	[mm]	20
Housing		rectangular
Electrical data		
Operating voltage	[V]	10...60 DC
Current consumption	[mA]	20; (24 V)
Protection class		II
Reverse polarity protection		yes
Outputs		
Electrical design		PNP
Output function		normally open
Max. voltage drop switching output DC	[V]	3
Permanent current rating of switching output DC	[mA]	200
Switching frequency DC	[Hz]	150
Short-circuit protection		yes

IV5032



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Type of short-circuit protection	yes (non-latching)
Overload protection	yes

Monitoring range

Sensing range	[mm]	20
Real sensing range S_r	[mm]	$20 \pm 10 \%$
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 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	
Type of mounting	for mounting base; (E10228)	
Material	PBT	

Displays / operating elements

Display	Switching status	1 x LED, yellow
	Power	1 x LED, green

Remarks

Remarks	5 positions of the active zone possible	
	cable gland (E11270) to be ordered separately	
Pack quantity	1 pcs.	

Electrical connection

Mounting base: ...2.5 mm²

Connection

