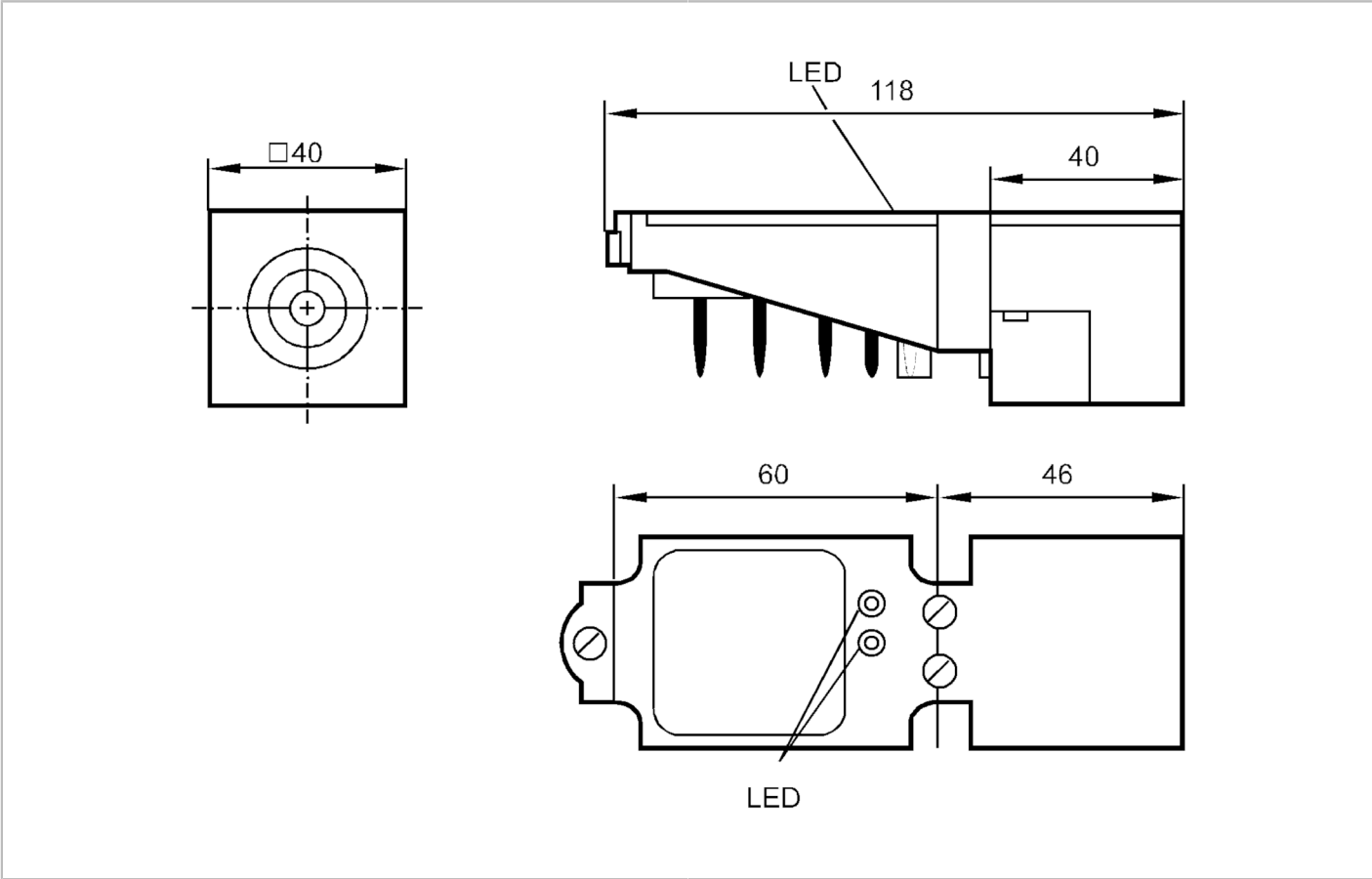




Inductive sensor

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	pulsed
Overload protection	yes

Detection zone	
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 / 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
Type of mounting	for mounting base; (E10228)
Materials	PBT

Displays / operating elements		
Display	switching status	1 x LED, yellow
	operation	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 mm ²	
Connection	

