

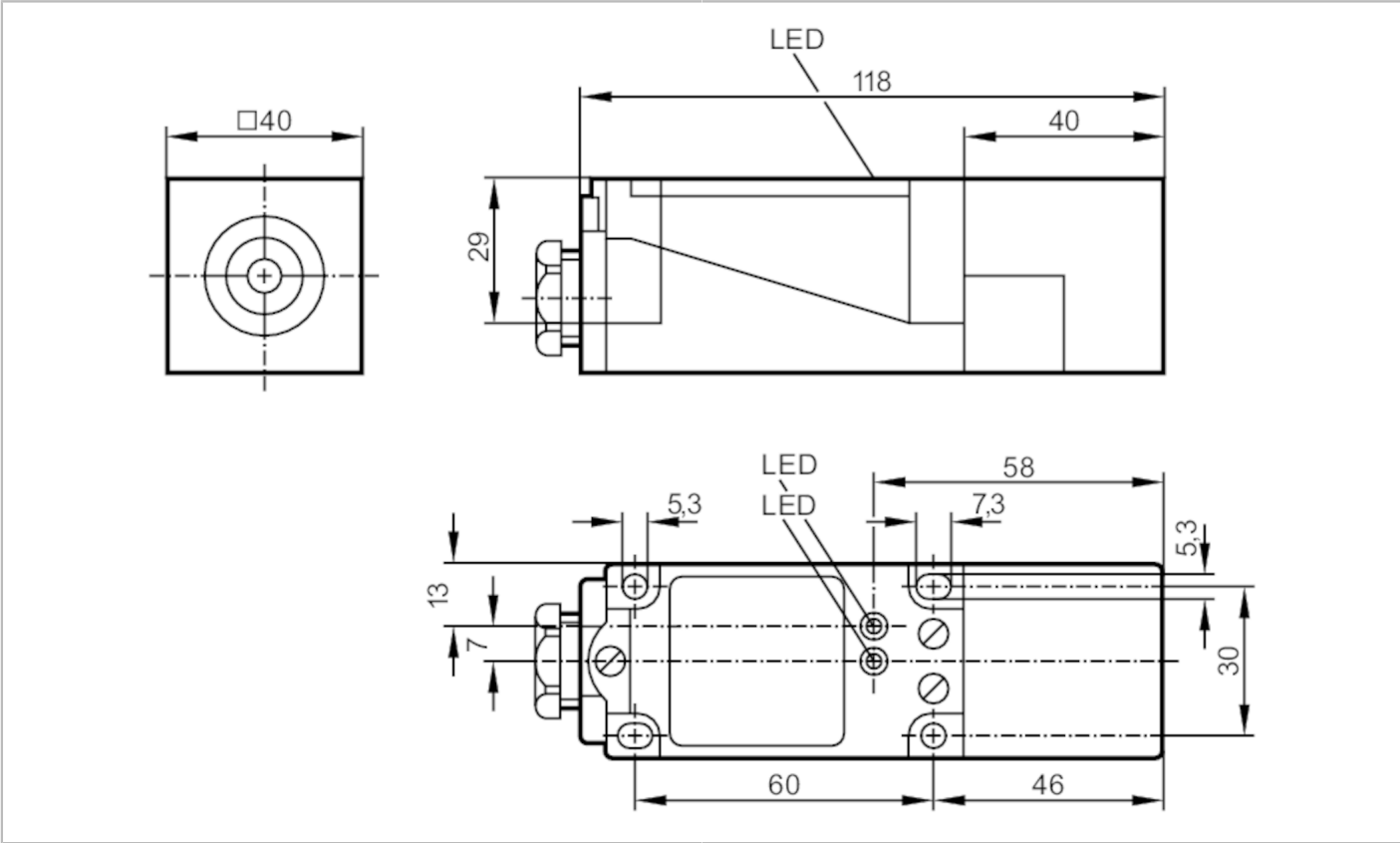
KV5001



Capacitive sensor

KVE4015-CPKG

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Product characteristics		
Electrical design		PNP
Output function		complementary
Sensing range	[mm]	15
Housing		rectangular
Dimensions	[mm]	40 x 40 x 118
Electrical data		
Operating voltage	[V]	10...30 DC
Current consumption	[mA]	< 20
Protection class		II
Reverse polarity protection		yes
Outputs		
Electrical design		PNP
Output function		complementary
Max. voltage drop switching output DC	[V]	3
Permanent current rating of switching output DC	[mA]	200
Switching frequency DC	[Hz]	10
Short-circuit protection		yes

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Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone	
Sensing range [mm]	15
Sensing range adjustable	yes
Factory setting sensing range [mm]	15
Real sensing range S_r [mm]	$15 \pm 10 \%$
Operating distance [mm]	0...12.1

Accuracy / deviations	
Correction factor	glass: 0.4 / water: 1 / ceramics: 0.2 / PVC: 0.2
Hysteresis [X01]	1...15
Switch point drift [X01]	-15...15

Operating conditions	
Ambient temperature [°C]	-25...70
Protection	IP 65

Tests / approvals	
EMC	EN 60947-5-2

Mechanical data	
Housing	rectangular
Mounting	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

Remarks	
Remarks	Cable gland (E11270) to be ordered separately
Pack quantity	1 pcs.

Electrical connection

terminals: ...2.5 mm²

Connection

