

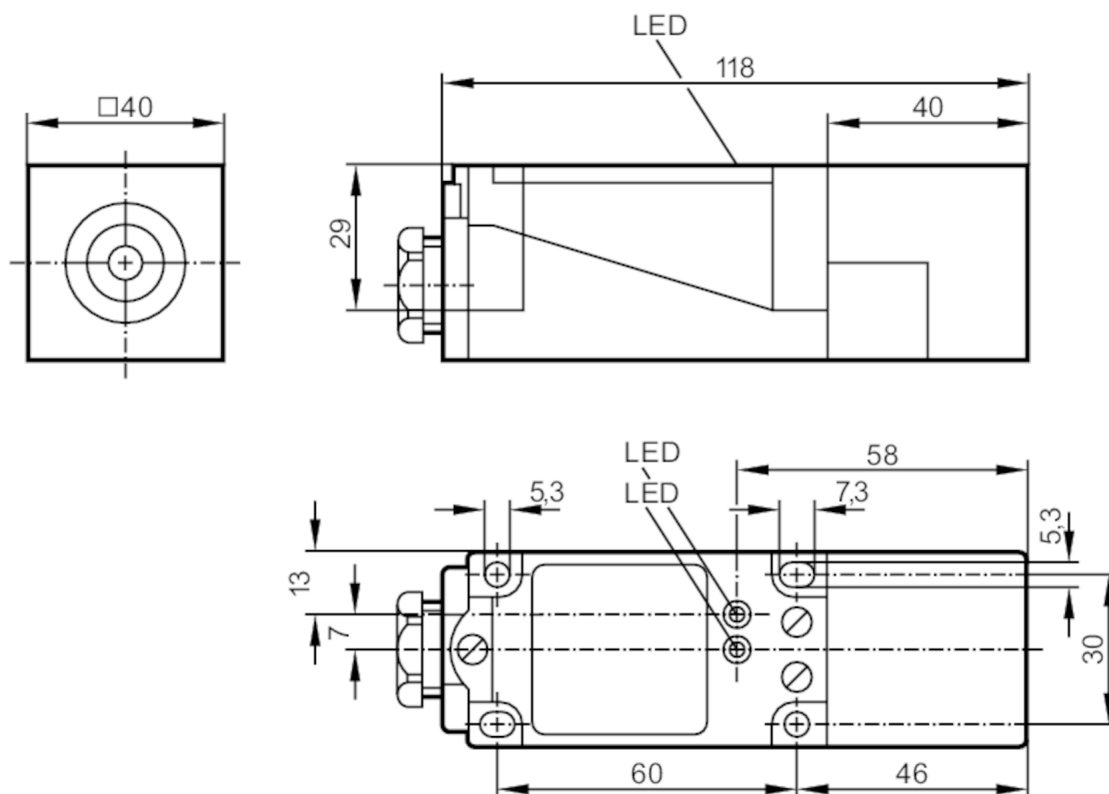
KV5001

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

KV5001



Capacitive sensor

KVE4015-CPKG

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

Monitoring range

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 [% of S_r]	1...15
Switch-point drift [% of S_r]	-15...15

Operating conditions

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

Tests / approvals

EMC	EN 60947-5-2
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Mechanical data

Housing	rectangular
Mounting	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

Remarks

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

Electrical connection

terminals: ...2.5 mm²

Connection

