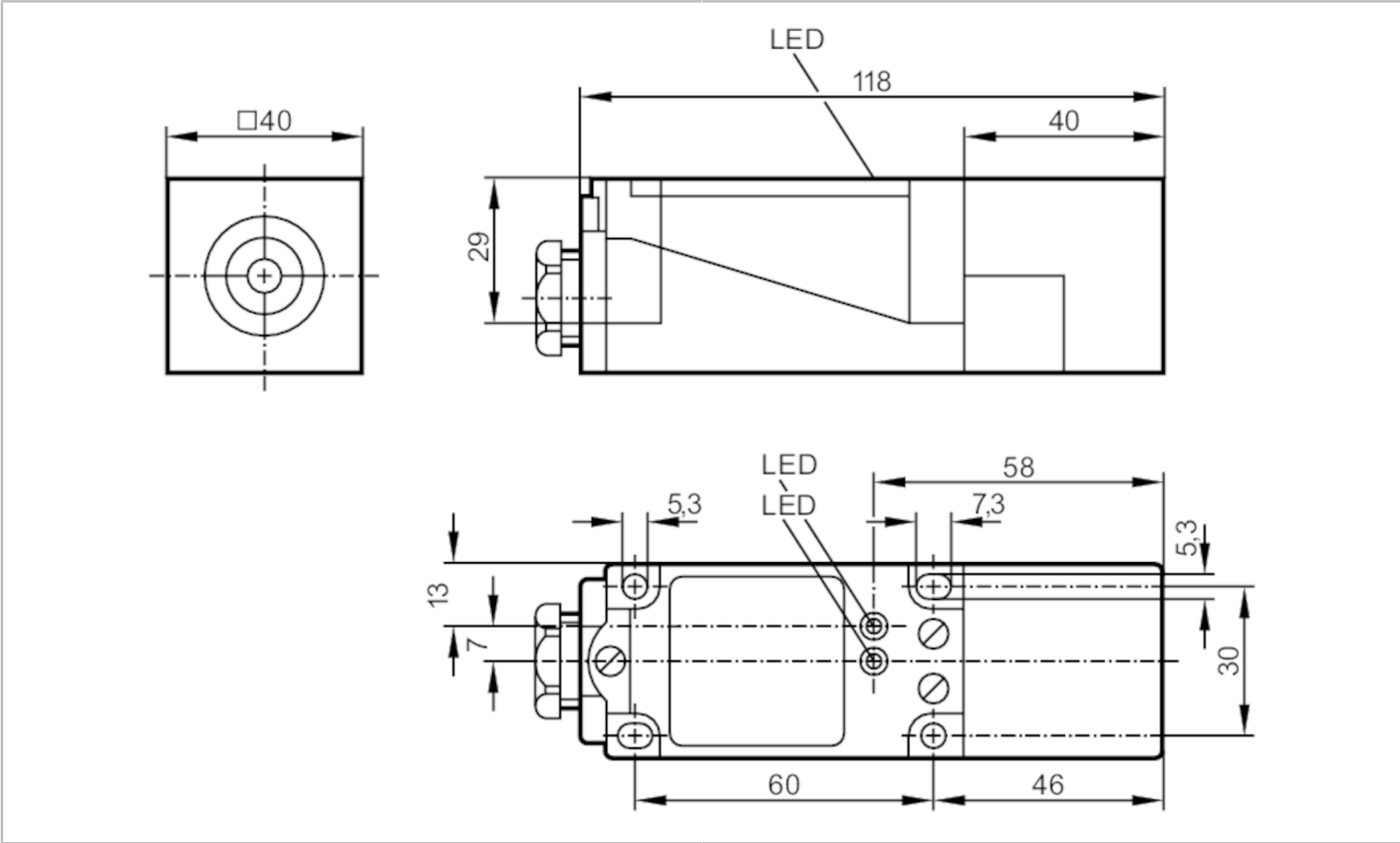




Capacitive sensor

KVE2015-FBOW

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Product characteristics		
Output function		normally open / closed; (selectable)
Sensing range	[mm]	15
Housing		rectangular
Dimensions	[mm]	40 x 40 x 118
Electrical data		
Frequency AC	[Hz]	47...63
Operating voltage	[V]	35...250 AC
Protection class		II
Reverse polarity protection		no
Outputs		
Output function		normally open / closed; (selectable)
Max. voltage drop switching output AC	[V]	7
Max. leakage current	[mA]	2.5
Permanent current rating of switching output AC	[mA]	500
Short-time current rating of switching output	[mA]	4000; (10ms / 0,1Hz)
Switching frequency AC	[Hz]	10

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Short-circuit protection	no
Overload protection	no

Monitoring range

Sensing range [mm]	15
Sensing range adjustable	yes
Factory setting sensing range [mm]	15
Real sensing range Sr [mm]	15 ± 10 %
Operating distance [mm]	0...12.1

Accuracy / deviations

Correction factor	glass: 0.4 / water: 1 / ceramics: 0.2 / PVC: 0.2	
Hysteresis [% of Sr]	1...15	
Switch-point drift [% of Sr]	-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, red
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Remarks

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

Electrical connection

terminals: ...2.5 mm²

Connection

