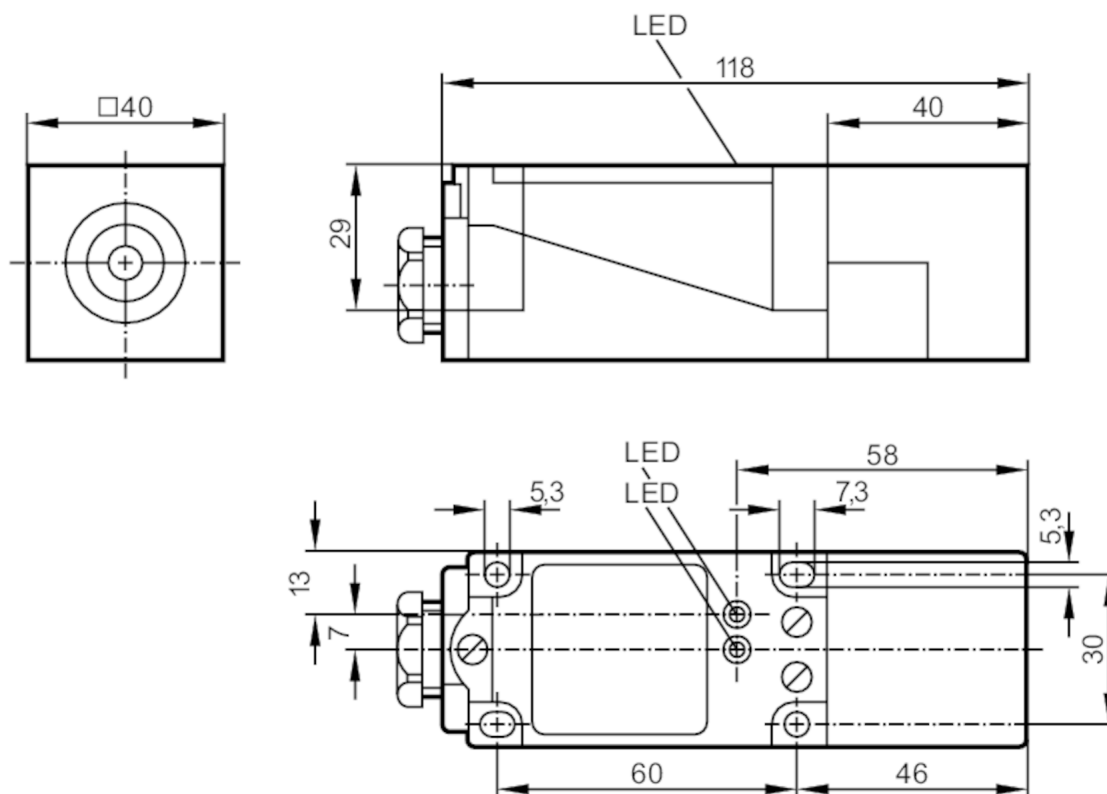


Capacitive sensor

KVE2015-FBOW

Article no longer available - archive entry



Product characteristics

Output function		normally open / normally 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 / normally 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

**Capacitive sensor**

KVE2015-FBOW

Short-circuit protection	no
Overload protection	no

Detection zone

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
Materials	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 connectionterminals: ...2.5 mm²**Connection**