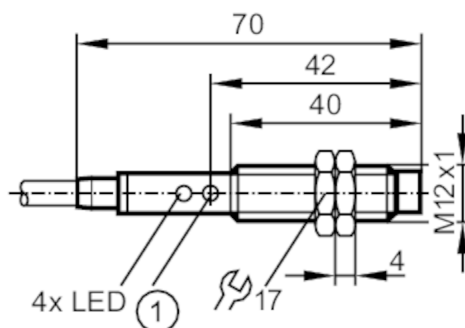


KF5015



Capacitive sensor

KFA3080NBPKG



1 potentiometer



Electrical data

Operating voltage	[V]	10...36 DC; ("supply class 2" according to UL)
Current consumption	[mA]	< 12
Protection class		III
Reverse polarity protection		yes

Outputs

Electrical design		PNP
Output function		normally open
Max. voltage drop switching output DC	[V]	2.5
Max. leakage current	[mA]	0.5
Permanent current rating of switching output DC	[mA]	100
Short-time current rating of switching output	[mA]	100
Switching frequency DC	[Hz]	50
Short-circuit proof		yes
Overload protection		yes

Detection zone

Sensing range	[mm]	8
Sensing range adjustable		yes
Factory setting sensing range	[mm]	8

Accuracy / deviations

Hysteresis	[% of Sr]	1...15
Switch point drift	[% of Sr]	-20...20

Operating conditions

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

KF5015



Capacitive sensor

KFA3080NBPKG

Tests / approvals

EMC	EN 61000-4-2	4 kV CD / 8 kV AD
	EN 61000-4-3	3 V/m
	EN 61000-4-4	2 kV
	EN 61000-4-6	3 V

Mechanical data

Weight	[g]	99.4
Housing		threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M12 x 1 / L = 70
Thread designation		M12 x 1
Materials		housing: stainless steel; cover: PEEK

Displays / operating elements

Display	switching status	1 x LED, yellow
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Accessories

Accessories (supplied)	lock nuts: 2
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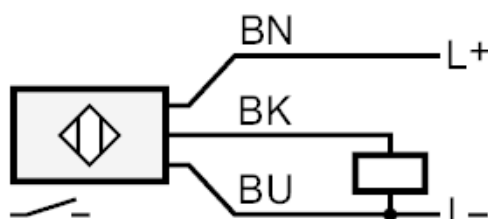
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 2 m, PUR; 3 x 0.34 mm²

Connection



Core colours :

BN =	brown
BU =	blue
BK =	black