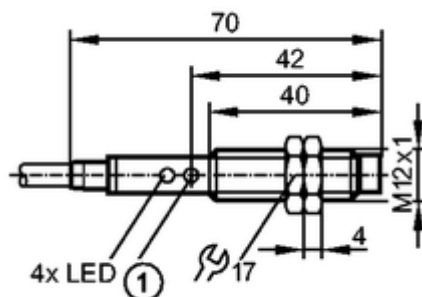


KF5015

KFA3080NBPKG

Capacitive sensors



1: potentiometer

**Product characteristics**

Capacitive sensor

Metal thread M12 x 1

Cable

Sensing range 8 mm; adjustable; [nf] non-flush mountable

Electrical data

Electrical design	DC PNP
Operating voltage [V]	10...36 DC; UL - Class 2 source required
Current consumption [mA]	< 12
Protection class	III
Reverse polarity protection	yes

Outputs

Output function	normally open
Voltage drop [V]	< 2.5
Leakage current [mA]	< 0.5
Current rating	
- Current rating (continuous) [mA]	100
- Current rating (peak) [mA]	100
Short-circuit protection	yes
Overload protection	yes
Switching frequency [Hz]	50

Monitoring range

Sensing range [mm]	8, adjustable
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Accuracy / deviations

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

Environment

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

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

Mounting	non-flush mountable
Housing materials	housing: high-grade stainless steel; cover: PEEK
Weight [kg]	0.099

Displays / operating elements

Output status indication LED	yellow
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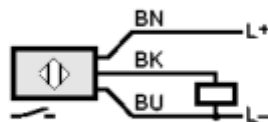
Electrical connection

Connection	PUR cable / 2 m; 3 x 0.34 mm ²
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Wiring

Core colors

BN	brown
BU	blue
BK	black



Accessories

Accessories (included)	2 lock nuts
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Remarks

Pack quantity [piece]	1
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