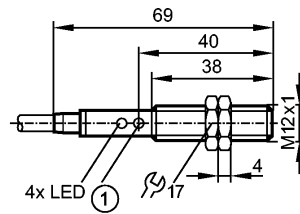


**KF5014**

KFA3040BBPKG

Capacitive sensors



1: potentiometer



**Product characteristics**

Capacitive sensor
Metal thread M12 x 1
Cable
Sensing range 4 mm; adjustable; [f] 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]	4, 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	flush mountable
Housing materials	housing: high-grade stainless steel; cover: PEEK
Weight [kg]	0.1

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**Displays / operating elements**

Output status indication      LED      yellow

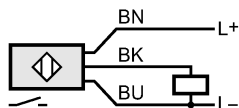
**Electrical connection**

Connection      PUR cable / 2 m; 3 x 0.34 mm<sup>2</sup>

**Wiring**

Core colors

- BN    brown
- BU    blue
- BK    black



**Accessories**

Accessories (included)      2 lock nuts

**Remarks**

Pack quantity      [piece]      1