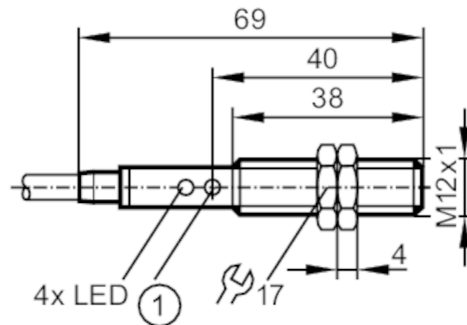


KF5014



Capacitive sensor

KFA3040BBPKG



1 potentiometer



Product characteristics

| | |
|--------------------|------------------|
| Electrical design | PNP |
| Output function | normally open |
| Sensing range [mm] | 4 |
| Housing | Threaded type |
| Dimensions [mm] | M12 x 1 / L = 69 |

Electrical data

| | |
|-----------------------------|--|
| Operating voltage [V] | 10...36 DC; (UL - Class 2 source required) |
| 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 |

Monitoring range

| | |
|------------------------------------|-----|
| Sensing range [mm] | 4 |
| Sensing range adjustable | yes |
| Factory setting sensing range [mm] | 4 |

Accuracy / deviations

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

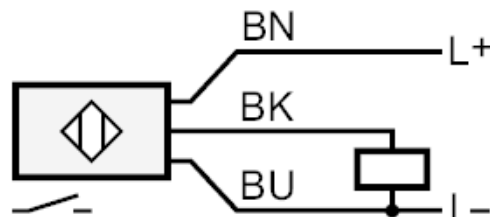
KF5014



Capacitive sensor

KFA3040BBPKG

| Operating conditions | | |
|---|------------------|---------------------------------------|
| 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 |
| MTTF | [years] | 1042 |
| Mechanical data | | |
| Weight | [g] | 101.3 |
| Housing | | Threaded type |
| Mounting | | flush mountable |
| Dimensions | [mm] | M12 x 1 / L = 69 |
| Thread designation | | M12 x 1 |
| Material | | housing: stainless steel; cover: PEEK |
| Displays / operating elements | | |
| Display | Switching status | 1 x LED, yellow |
| Accessories | | |
| Items supplied | | lock nuts: 2 |
| Remarks | | |
| Pack quantity | | 1 pcs. |
| Electrical connection | | |
| Cable: 2 m, PUR; 3 x 0.34 mm ² | | |
| Connection | | |



Core colors :

BN = brown
BU = blue
BK = black