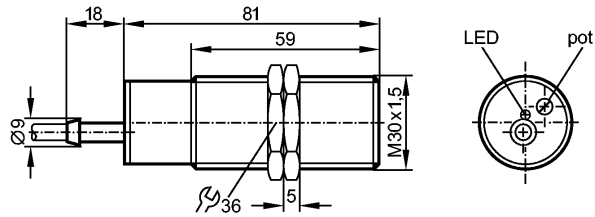


KI5060

KI-2015-FRKG/NI/PH

Capacitive sensors

Alternative article: KI0202 (N.O.) or KI0203 (N.C.) or KI5082 (3-WIRE)
When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics

Capacitive sensor
 Plastic thread M30 x 1.5
 Cable
 Sensing range 15 mm; adjustable 3...15 mm; [nf] non-flush mountable

Electrical data

| | |
|-----------------------------|------------|
| Electrical design | DC PNP/NPN |
| Operating voltage [V] | 10...36 DC |
| Protection class | II |
| Reverse polarity protection | yes |

Outputs

| | |
|---------------------------|-------------------------------------|
| Output function | normally open / closed programmable |
| Voltage drop [V] | < 4.6 |
| Minimum load current [mA] | 5 |
| Leakage current [mA] | < 1 |
| Current rating [mA] | 250 |
| Short-circuit protection | yes (non-latching) |
| Overload protection | yes |
| Switching frequency [Hz] | 40 |

Monitoring range

| | |
|------------------------------|--------------------------|
| Sensing range [mm] | 15, adjustable 3...15 mm |
| Real sensing range (Sr) [mm] | 15 ± 10 % |
| Operating distance [mm] | 0...12.1 |

Accuracy / deviations

| | |
|------------------------------|--|
| Correction factors | water = 1 / glass approx. 0.4 / ceramics approx. 0.2 / PVC approx. 0.2 |
| Hysteresis [% of Sr] | 1...15 |
| Switch-point drift [% of Sr] | -15...15 |

Environment

| | |
|--------------------------|----------|
| Ambient temperature [°C] | -25...80 |
| Protection | IP 65 |

Tests / approvals

| | | |
|--------------|----------------|------|
| EMC | IEC 60947-5-2: | 2007 |
| MTTF [Years] | | 445 |

Mechanical data

| | |
|----------|---------------------|
| Mounting | non-flush mountable |
|----------|---------------------|

KI5060

KI-2015-FRKG/NI/PH

Capacitive sensors

| | |
|-------------------|-------|
| Housing materials | PBT |
| Weight [kg] | 0.194 |

Displays / operating elements

| | | |
|--------------------------|-----|--------|
| Output status indication | LED | yellow |
|--------------------------|-----|--------|

Electrical connection

| | |
|------------|--|
| Connection | PUR / PVC cable / 2 m; 2 x 0.5 mm ² |
|------------|--|

Wiring

Core colors
 BK black
 WH white



Accessories

| | |
|------------------------|--------------------------|
| Accessories (included) | 2 lock nuts; screwdriver |
|------------------------|--------------------------|

Remarks

| | |
|-----------------------|---|
| Pack quantity [piece] | 1 |
|-----------------------|---|

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