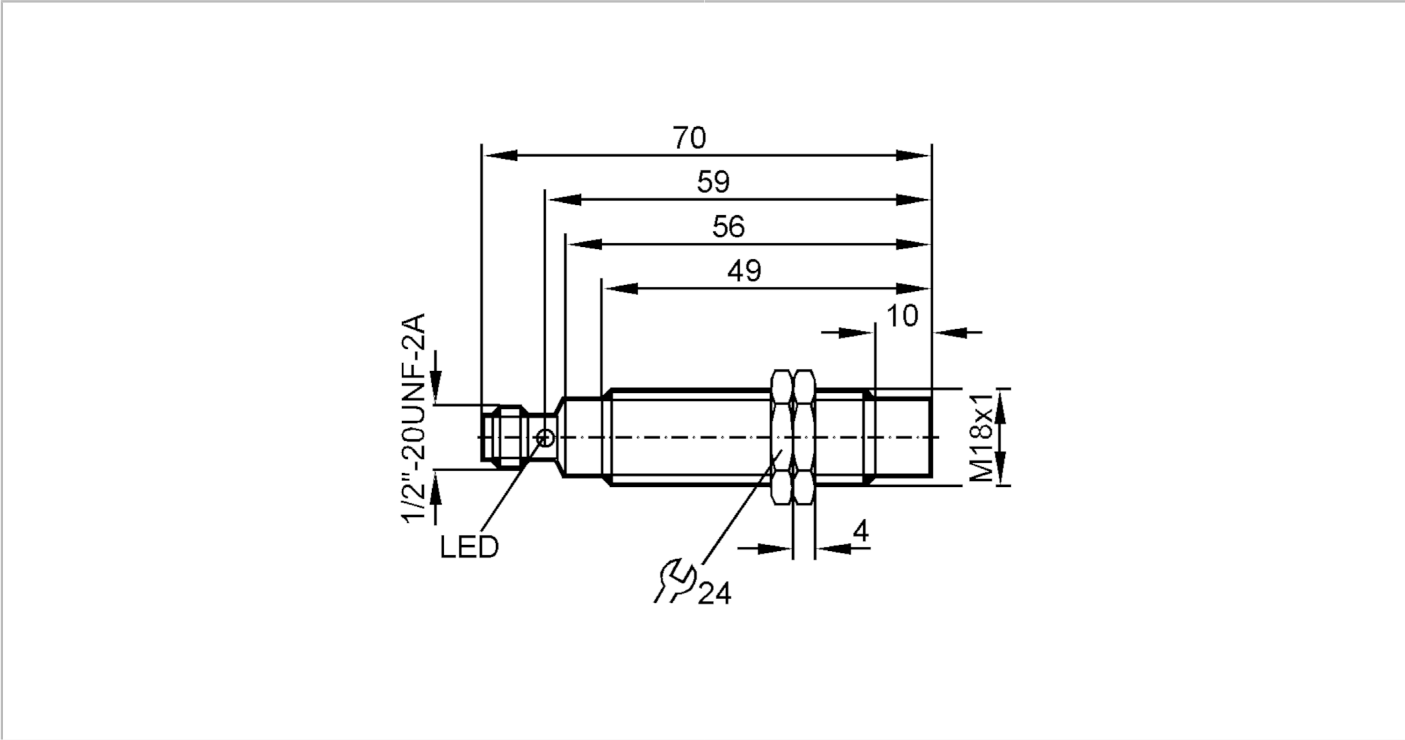




Inductive sensor

IGK2014-ARKA/M/SC/LS104AK

Article no longer available - archive entry



| Product characteristics                         |      |                                               |
|-------------------------------------------------|------|-----------------------------------------------|
| Output function                                 |      | normally open                                 |
| Sensing range                                   | [mm] | 14                                            |
| Housing                                         |      | threaded type                                 |
| Dimensions                                      | [mm] | M18 x 1                                       |
| Application                                     |      |                                               |
| Special feature                                 |      | Gold-plated contacts; Increased sensing range |
| Electrical data                                 |      |                                               |
| Operating voltage                               | [V]  | 20...140 AC/DC                                |
| Protection class                                |      | II                                            |
| Reverse polarity protection                     |      | yes                                           |
| Max. power-on delay time                        | [ms] | 1000                                          |
| Outputs                                         |      |                                               |
| Output function                                 |      | normally open                                 |
| Max. voltage drop switching output DC           | [V]  | 5.5                                           |
| Max. voltage drop switching output AC           | [V]  | 5.5                                           |
| Minimum load current                            | [mA] | 5                                             |
| Max. leakage current                            | [mA] | 1                                             |
| Permanent current rating of switching output AC | [mA] | 200                                           |



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|                                                 |      |                        |
|-------------------------------------------------|------|------------------------|
| Permanent current rating of switching output DC | [mA] | 200                    |
| Short-time current rating of switching output   | [mA] | 1200; (20 ms / 0,5 Hz) |
| Switching frequency AC                          | [Hz] | 25                     |
| Switching frequency DC                          | [Hz] | 100                    |
| Short-circuit protection                        |      | yes                    |
| Type of short-circuit protection                |      | pulsed                 |
| Overload protection                             |      | yes                    |

| Detection zone          |      |           |
|-------------------------|------|-----------|
| Sensing range           | [mm] | 14        |
| Operating distance      | [mm] | 0...11.34 |
| Increased sensing range |      | yes       |

| Accuracy / deviations |       |                                                                             |
|-----------------------|-------|-----------------------------------------------------------------------------|
| Correction factor     |       | steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3 |
| Hysteresis            | [X01] | 1...20                                                                      |

| Operating conditions |      |          |
|----------------------|------|----------|
| Ambient temperature  | [°C] | -25...70 |
| Protection           |      | IP 67    |

| Tests / approvals |                           |                              |
|-------------------|---------------------------|------------------------------|
| EMC               | EN 61000-4-2 ESD          | 4 kV CD / 8 kV AD            |
|                   | EN 61000-4-3 HF radiated  | 10 V/m                       |
|                   | EN 61000-4-4 Burst        | 2 kV                         |
|                   | EN 61000-4-5 Surge        | 1 kV line to line, Ri: 2 Ohm |
|                   | EN 61000-4-6 HF conducted | 10 V                         |
|                   | EN 55011                  | class B                      |

| Mechanical data    |      |                                                                     |
|--------------------|------|---------------------------------------------------------------------|
| Housing            |      | threaded type                                                       |
| Mounting           |      | non-flush mountable                                                 |
| Dimensions         | [mm] | M18 x 1                                                             |
| Thread designation |      | M18 x 1                                                             |
| Materials          |      | housing: brass PTFE coated; sensing face: Duroplast; LED window: PA |

| Displays / operating elements |                  |                     |
|-------------------------------|------------------|---------------------|
| Display                       | switching status | 4 x 90° LED, yellow |

| Аксессуары     |  |              |
|----------------|--|--------------|
| Items supplied |  | lock nuts: 2 |

| Remarks       |  |        |
|---------------|--|--------|
| Pack quantity |  | 1 pcs. |

# IG0399



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### Electrical connection - plug

Connector: 1 x 1/2"; coding: C; Contacts: gold-plated

