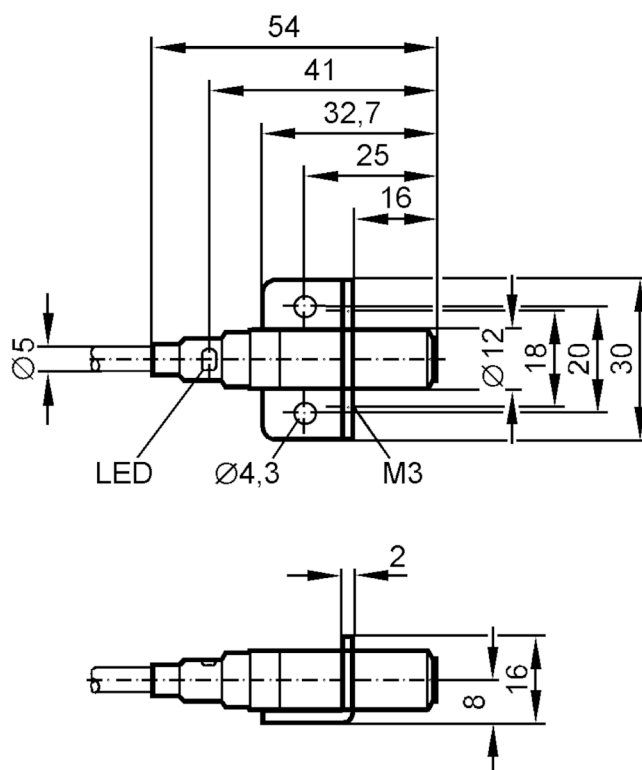


## Inductive sensor

IFG2004-ARKG/M/0,33M/ /PH

Article no longer available - archive entry



### Product characteristics

|                    |               |
|--------------------|---------------|
| Electrical design  | PNP/NPN       |
| Output function    | normally open |
| Sensing range [mm] | 4             |
| Housing            | cylindrical   |
| Dimensions [mm]    | Ø 12          |

### Application

|             |                                               |
|-------------|-----------------------------------------------|
| Application | Use in machine tools, coolants and lubricants |
|-------------|-----------------------------------------------|

### Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...36 DC |
| Protection class            | II         |
| Reverse polarity protection | yes        |

### Outputs

|                                           |               |
|-------------------------------------------|---------------|
| Electrical design                         | PNP/NPN       |
| Output function                           | normally open |
| Max. voltage drop switching output DC [V] | 2.5           |
| Minimum load current [mA]                 | 2             |
| Max. leakage current [mA]                 | 0.4           |

# IFC224



## Inductive sensor

IFG2004-ARKG/M/0,33M/ /PH

|                                                 |      |        |
|-------------------------------------------------|------|--------|
| Permanent current rating of switching output DC | [mA] | 100    |
| Switching frequency DC                          | [Hz] | 700    |
| Short-circuit protection                        |      | yes    |
| Type of short-circuit protection                |      | pulsed |
| Overload protection                             |      | yes    |

| Detection zone     |      |          |
|--------------------|------|----------|
| Sensing range      | [mm] | 4        |
| Operating distance | [mm] | 0...3.25 |

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

| Operating conditions |      |                    |
|----------------------|------|--------------------|
| Ambient temperature  | [°C] | -25...70           |
| Protection           |      | IP 68; ("Coolant") |

| 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 61000-4-6 HF conducted | 10 V              |
|                   | EN 55011                  | class B           |

| Mechanical data |      |                                                                                                  |
|-----------------|------|--------------------------------------------------------------------------------------------------|
| Housing         |      | cylindrical                                                                                      |
| Mounting        |      | non-flush mountable                                                                              |
| Dimensions      | [mm] | Ø 12                                                                                             |
| Materials       |      | sensing face: LCP; housing: stainless steel;<br>Angle brackets: stainless steel; LED window: PEI |

| Displays / operating elements |                  |                 |
|-------------------------------|------------------|-----------------|
| Display                       | switching status | 1 x LED, yellow |

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

# IFC224



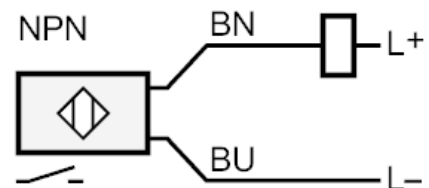
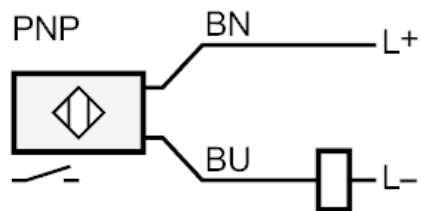
## Inductive sensor

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### Electrical connection

Cable: 0.33 m, PUR / PVC; 2 x 0.34 mm<sup>2</sup>

### Connection



BN =

BU =

Core colours :

brown

blue