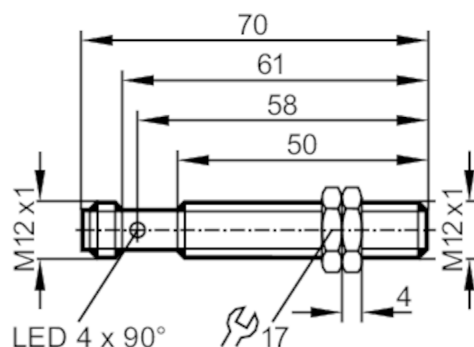


# IF5917



## Inductive sensor

IFA3004BBPKG/US-104-DPS



### Product characteristics

|                    |                  |
|--------------------|------------------|
| Electrical design  | PNP              |
| Output function    | normally open    |
| Sensing range [mm] | 4                |
| Housing            | Threaded type    |
| Dimensions [mm]    | M12 x 1 / L = 70 |

### Application

|        |                         |
|--------|-------------------------|
| System | Increased sensing range |
|--------|-------------------------|

### Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...36 DC |
| Current consumption [mA]    | 15; (24 V) |
| Protection class            | II         |
| Reverse polarity protection | yes        |

### Outputs

|                                                      |                    |
|------------------------------------------------------|--------------------|
| Electrical design                                    | PNP                |
| Output function                                      | normally open      |
| Max. voltage drop switching output DC [V]            | 2.5                |
| Permanent current rating of switching output DC [mA] | 250                |
| Switching frequency DC [Hz]                          | 250                |
| Short-circuit protection                             | yes                |
| Type of short-circuit protection                     | yes (non-latching) |
| Overload protection                                  | yes                |

### Monitoring range

|                         |     |
|-------------------------|-----|
| Sensing range [mm]      | 4   |
| Increased sensing range | yes |

### Accuracy / deviations

|                      |                                                                            |
|----------------------|----------------------------------------------------------------------------|
| Correction factor    | steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminum: 0.4 / copper: 0.3 |
| Hysteresis [% of Sr] | 3...20                                                                     |

# IF5917



## Inductive sensor

IFA3004BBPKG/US-104-DPS

| Operating conditions          |                  |                         |
|-------------------------------|------------------|-------------------------|
| Ambient temperature           | [°C]             | -25...70                |
| Protection                    |                  | IP 67                   |
| Tests / approvals             |                  |                         |
| MTTF                          | [years]          | 1971                    |
| Mechanical data               |                  |                         |
| Weight                        | [g]              | 30                      |
| Housing                       |                  | Threaded type           |
| Mounting                      |                  | flush mountable         |
| Dimensions                    | [mm]             | M12 x 1 / L = 70        |
| Thread designation            |                  | M12 x 1                 |
| Material                      |                  | brass nickel-plated; PC |
| Displays / operating elements |                  |                         |
| Display                       | Switching status | 1 x LED, yellow         |
| Accessories                   |                  |                         |
| Items supplied                |                  | lock nuts: 2            |
| Remarks                       |                  |                         |
| Pack quantity                 |                  | 1 pcs.                  |
| Electrical connection - plug  |                  |                         |

Connector: 1 x M12



## Connection

