

# IG5751



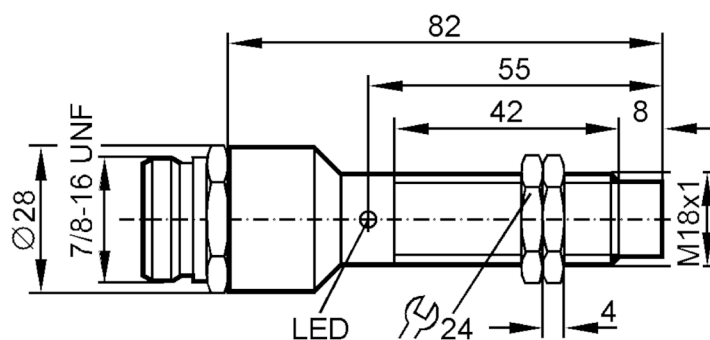
## Inductive sensor

IGA3008-BPKG/LS-400-LPS RT

Article no longer available - archive entry

Alternative articles: IGS209

When selecting an alternative article and accessories please note that technical data may differ!



## Product characteristics

|                    |               |
|--------------------|---------------|
| Electrical design  | PNP           |
| Output function    | normally open |
| Sensing range [mm] | 8             |
| Housing            | Threaded type |
| Dimensions [mm]    | M18 x 1       |

## 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]                          | 300           |
| Short-circuit protection                             | yes           |

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## Inductive sensor

IGA3008-BPKG/LS-400-LPS RT

|                                  |                    |
|----------------------------------|--------------------|
| Type of short-circuit protection | yes (non-latching) |
| Overload protection              | yes                |

| Monitoring range              |               |
|-------------------------------|---------------|
| Sensing range [mm]            | 8             |
| Real sensing range $S_r$ [mm] | $8 \pm 10 \%$ |
| Operating distance [mm]       | 0...6.5       |

| Accuracy / deviations            |                                                                            |
|----------------------------------|----------------------------------------------------------------------------|
| Correction factor                | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2 |
| Hysteresis [% of $S_r$ ]         | 1...15                                                                     |
| Switch-point drift [% of $S_r$ ] | -10...10                                                                   |

| Operating conditions     |          |
|--------------------------|----------|
| Ambient temperature [°C] | -25...80 |
| Protection               | IP 67    |

| Tests / approvals |              |         |
|-------------------|--------------|---------|
| EMC               | EN 60947-5-2 |         |
|                   | EN 55011     | class B |

| Mechanical data    |                          |
|--------------------|--------------------------|
| Housing            | Threaded type            |
| Mounting           | non-flush mountable      |
| Dimensions [mm]    | M18 x 1                  |
| Thread designation | M18 x 1                  |
| Material           | brass nickel-plated; PBT |

| Displays / operating elements |                  |              |
|-------------------------------|------------------|--------------|
| Display                       | Switching status | 1 x LED, red |

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

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

### Electrical connection - plug

Connector: 1 x 7/8"; coding: A



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### Connection

