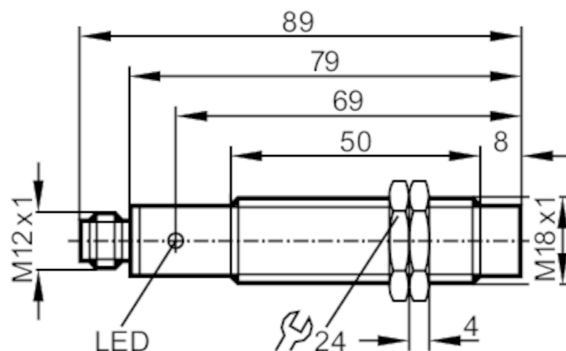




## Inductive sensor

IGA3008-BPKG/US-100-DPS



### 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           |
| Type of short-circuit protection                |      | pulsed        |
| Overload protection                             |      | yes           |

### Detection zone

|                       |      |          |
|-----------------------|------|----------|
| Sensing range         | [mm] | 8        |
| Real sensing range Sr | [mm] | 8 ± 10 % |
| Operating distance    | [mm] | 0...6.5  |

### Accuracy / deviations

|                    |           |                                                                             |
|--------------------|-----------|-----------------------------------------------------------------------------|
| Correction factor  |           | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2 |
| Hysteresis         | [% of Sr] | 1...15                                                                      |
| Switch point drift | [% of Sr] | -10...10                                                                    |

### Operating conditions

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



## Inductive sensor

IGA3008-BPKG/US-100-DPS

| Tests / approvals                                                                   |                  |                                  |
|-------------------------------------------------------------------------------------|------------------|----------------------------------|
| EMC                                                                                 | EN 60947-5-2     |                                  |
|                                                                                     | EN 55011         | class B                          |
| MTTF                                                                                | [years]          | 1853                             |
| UL approval                                                                         | Ta               | 0...40 °C                        |
|                                                                                     | Enclosure type   | Type 1                           |
|                                                                                     | voltage supply   | Unlimited Voltage                |
|                                                                                     | UL Approval no.  | A003                             |
|                                                                                     | File number UL   | E174191                          |
| Mechanical data                                                                     |                  |                                  |
| Weight                                                                              | [g]              | 72                               |
| Housing                                                                             |                  | threaded type                    |
| Mounting                                                                            |                  | non-flush mountable              |
| Dimensions                                                                          | [mm]             | M18 x 1 / L = 89                 |
| Thread designation                                                                  |                  | M18 x 1                          |
| Materials                                                                           |                  | brass white bronze coated; CO-PC |
| Displays / operating elements                                                       |                  |                                  |
| Display                                                                             | switching status | 1 x LED, yellow                  |
| Accessories                                                                         |                  |                                  |
| Accessories (supplied)                                                              |                  | lock nuts: 2                     |
| Remarks                                                                             |                  |                                  |
| Pack quantity                                                                       |                  | 1 pcs.                           |
| Electrical connection - plug                                                        |                  |                                  |
| Connector: 1 x M12                                                                  |                  |                                  |
|  |                  |                                  |

# IG5526

## Inductive sensor

IGA3008-BPKG/US-100-DPS



### Connection

