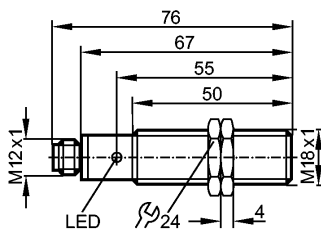


**IG5568**

IGA3005-BPKG/US-100-DPS

Inductive sensors



**Product characteristics**

|   |
|---|
| Inductive sensor                        |
| Metal thread M18 x 1                    |
| Connector                               |
| Sensing range 5 mm; [f] flush mountable |

**Electrical data**

|                             |            |
|-----------------------------|------------|
| Electrical design           | DC PNP     |
| Operating voltage [V]       | 10...36 DC |
| Current consumption [mA]    | 5 (24 V)   |
| Protection class            | II         |
| Reverse polarity protection | yes        |

**Outputs**

|                          |               |
|--------------------------|---------------|
| Output function          | normally open |
| Voltage drop [V]         | < 2.5         |
| Current rating [mA]      | 250           |
| Short-circuit protection | pulsed        |
| Overload protection      | yes           |
| Switching frequency [Hz] | 500           |

**Range**

|                              |          |
|------------------------------|----------|
| Sensing range [mm]           | 5        |
| Real sensing range (Sr) [mm] | 5 ± 10 % |
| Operating distance [mm]      | 0...4.05 |

**Accuracy / deviations**

|                              |  |
|------------------------------|--|
| Correction factors           | mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / Al approx. 0.3 / Cu approx. 0.2 |
| Hysteresis [% of Sr]         | 1...15   |
| Switch-point drift [% of Sr] | -10...10   |

**Environment**

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

**Tests / approvals**

|              |                                   |
|--------------|-----------------------------------|
| EMC          | EN 60947-5-2<br>EN 55011: class B |
| MTTF [Years] | 1884                              |

**Mechanical data**

|                   |   |
|-------------------|---|
| Mounting          | flush mountable                               |
| Housing materials | Brass white bronze coated; PC (polycarbonate) |
| Weight [kg]       | 0.078   |

## IG5568

IGA3005-BPKG/US-100-DPS

Inductive sensors

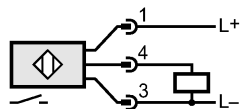
### Displays / operating elements

|                          |     |        |
|--------------------------|-----|--------|
| Output status indication | LED | yellow |
|--------------------------|-----|--------|

### Electrical connection

|            |               |
|------------|---------------|
| Connection | M12 connector |
|------------|---------------|

### Wiring



### Accessories

|                        |             |
|------------------------|-------------|
| Accessories (included) | 2 lock nuts |
|------------------------|-------------|

### Remarks

|               |         |   |
|---------------|---------|---|
| Pack quantity | [piece] | 1 |
|---------------|---------|---|