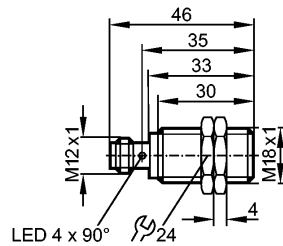


**IGC207**

IGB3008BAPKG/M/US-104-DPO

Inductive sensors



**Product characteristics**

|   |
|---|
| Inductive sensor                        |
| Metal thread M18 x 1                    |
| Quick disconnect                        |
| Increased sensing range                 |
| gold-plated contacts                    |
| Sensing range 8 mm; [f] flush mountable |

**Electrical data**

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

**Outputs**

|                          |                    |
|--------------------------|--------------------|
| Output function          | normally closed    |
| Voltage drop [V]         | < 2.5              |
| Current rating [mA]      | 100                |
| Short-circuit protection | yes (non-latching) |
| Overload protection      | yes                |
| Switching frequency [Hz] | 400                |

**Monitoring range**

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

**Accuracy / deviations**

|                              |   |
|------------------------------|---|
| Correction factors           | mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / aluminium approx. 0.4 / copper approx. 0.3 |
| Hysteresis [% of Sr]         | 3...15  |
| Switch-point drift [% of Sr] | -10...10  |

**Environment**

|                          |                  |
|--------------------------|------------------|
| 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                   |

**IGC207**

IGB3008BAPKG/M/US-104-DPO

**Inductive sensors**

|      |         |      |
|------|---------|------|
| MTTF | [Years] | 1935 |
|------|---------|------|

**Mechanical data**

|                   |      |  |
|-------------------|------|--|
| Mounting          |      | flush mountable                                      |
| Housing materials |      | housing: brass white bronze coated; active face: LCP |
| Weight            | [kg] | 0.045  |

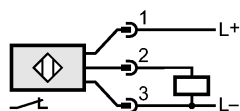
**Displays / operating elements**

|                          |     |                  |
|--------------------------|-----|------------------|
| Output status indication | LED | yellow (4 x 90°) |
|--------------------------|-----|------------------|

**Electrical connection**

|            |  |                                     |
|------------|--|-------------------------------------|
| Connection |  | M12 connector; gold-plated contacts |
|------------|--|-------------------------------------|

**Wiring**



**Accessories**

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

**Remarks**

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