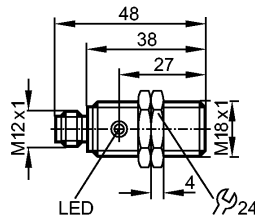


IG5497

IGB3005-APOG/US-100-DPO

Inductive sensors



Made in Germany

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] | | 18...36 DC |
| Current consumption [mA] | | < 15 (24 V) |
| Protection class | | II |
| Reverse polarity protection | | no |

Outputs

| | | |
|--------------------------|--|---------------------------------|
| Output function | | Normally closed |
| Voltage drop [V] | | < 2.5 |
| Current rating [mA] | | 150 (...50 °C) / 125 (...80 °C) |
| Short-circuit protection | | no |
| Overload protection | | no |
| 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 EN 55011: class B |
| MTTF [Years] | | 3077 |

Mechanical data

| | | |
|-------------------|--|--|
| Mounting | | flush mountable |
| Housing materials | | Brass white bronze coated; active face: PC (polycarbonate) |
| Weight [kg] | | 0.051 |

IG5497

IGB3005-APOG/US-100-DPO

Inductive sensors

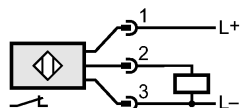
Displays / operating elements

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

Electrical connection

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

Wiring



Accessories

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

Remarks

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