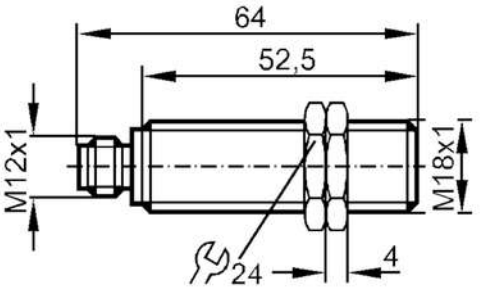
# IG5744

## Inductive sensor

IGK3005-BPKG/V4A/US-100-DPS




| | | |
|---|---|---|
| **Product characteristics** | | |
| Electrical design | | PNP |
| Output function | | normally open |
| Sensing range | [mm] | 5 |
| Housing | | threaded type |
| Dimensions | [mm] | M18 x 1 |
| **Electrical data** | | |
| Operating voltage | [V] | 10...36 DC |
| Current consumption | [mA] | 15;  (24 V) |
| Protection class | | III |
| 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] | 500 |
| Short-circuit protection | | yes |
| Type of short-circuit protection | | pulsed |
| Overload protection | | yes |
| **Detection zone** | | |
| Sensing range | [mm] | 5 |
| Real sensing range Sr | [mm] | 5 ± 10 % |
| Operating distance | [mm] | 0...4.05 |
| **Accuracy / deviations** | | |
| Hysteresis | [% of Sr] | 1...15 |
| Switch point drift | [% of Sr] | -10...10 |
| **Operating conditions** | | |
| Ambient temperature | [°C] | -25...80 |
| Protection | | IP 65 |

# IG5744

## Inductive sensor

IGK3005-BPKG/V4A/US-100-DPS

| Tests / approvals | | | |
|---|---|---|---|
| EMC | | EN 60947-5-2 | |
| MTTF | [years] | 1884 | |
| UL approval | | Ta | 0...40 °C |
| | | Enclosure type | Type 1 |
| | | power supply | Hazardous voltage |
| | | File number UL | E174191 |

| Mechanical data | | |
|---|---|---|
| Weight | [g] | 56.8 |
| Housing | | threaded type |
| Mounting | | flush mountable |
| Dimensions | [mm] | M18 x 1 |
| Thread designation | | M18 x 1 |
| Materials | | stainless steel (1.4571/316Ti ); PBT uncoloured |

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

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

## Electrical connection - plug

Connector: 1 x M12; coding: A




### Connection

