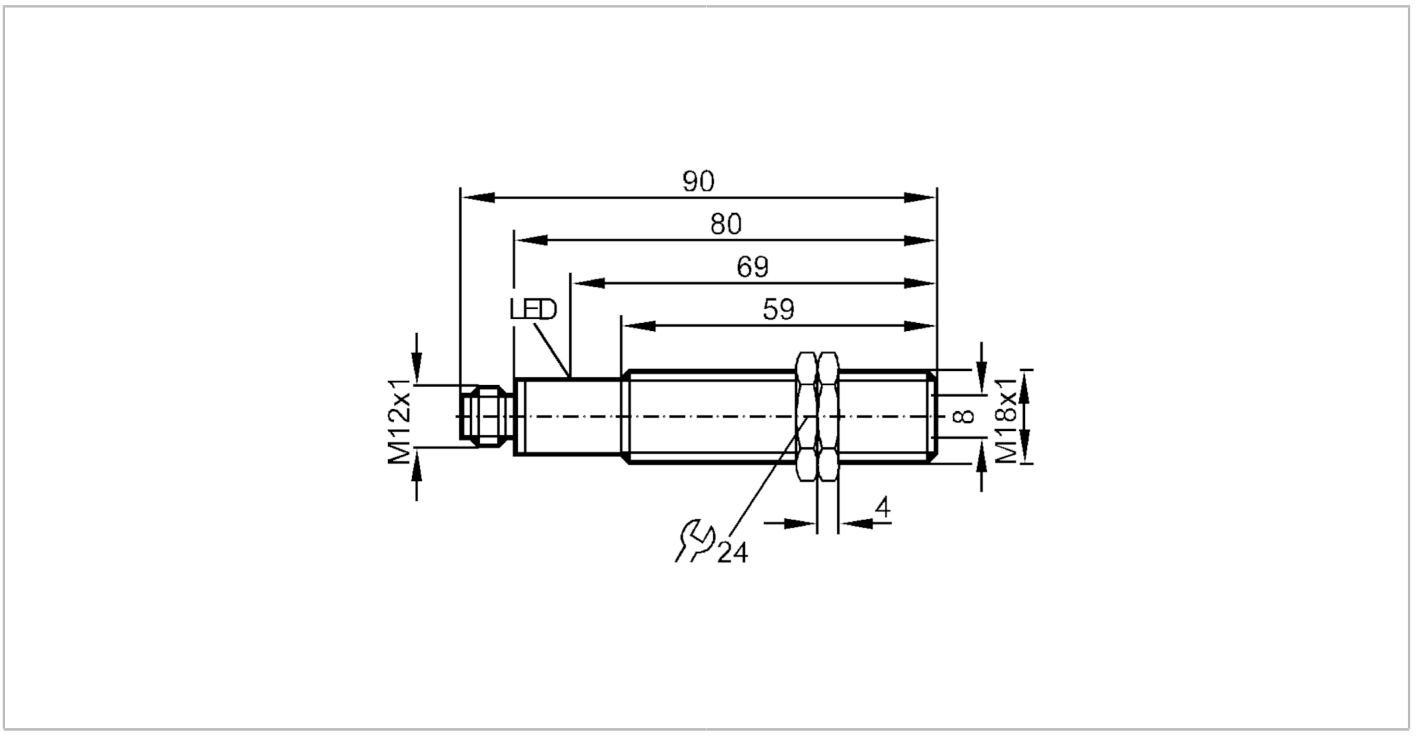
# OG5029

## Diffuse reflection sensor

OGT-HPKG/US-100-DPS




| | | |
|---|---|---|
| **Product characteristics** | | |
| Type of light | | Infrared light |
| Housing | | Threaded type |
| **Application** | | |
| Function principle | | Diffuse reflection sensor |
| **Electrical data** | | |
| Operating voltage | [V] | 10...55 DC |
| Current consumption | [mA] | 10;  ((24 V)) |
| Protection class | | II |
| Reverse polarity protection | | yes |
| Type of light | | Infrared light |
| Wave length | [nm] | 880 |
| **Outputs** | | |
| Electrical design | | PNP |
| Output function | | light-on mode |
| Max. voltage drop switching output DC | [V] | 2.5 |
| Permanent current rating of switching output DC | [mA] | 250 |
| Switching frequency DC | [Hz] | 160 |
| Short-circuit protection | | yes |
| Type of short-circuit protection | | yes (non-latching) |
| Overload protection | | yes |

# OG5029

## Diffuse reflection sensor

OGT-HPKG/US-100-DPS

| | | | |
|---|---|---|---|
| **Monitoring range** | | | |
| Range | [mm] | < 100;  (white paper 200 x 200 mm) | |
| **Operating conditions** | | | |
| Ambient temperature | [°C] | -25...80 | |
| Protection | | IP 65 | |
| **Tests / approvals** | | | |
| EMC | | EN 60947-5-2 | |
| | | EN 55011 | class B |
| MTTF | [years] | 826 | |
| **Mechanical data** | | | |
| Weight | [g] | 74.3 | |
| Housing | | Threaded type | |
| Dimensions | [mm] | M18 x 1 | |
| Thread designation | | M18 x 1 | |
| Material | | brass nickel-plated | |
| Lens material | | glass | |
| **Displays / operating elements** | | | |
| Display | | Switching status | 1 x LED, yellow |
| **Accessories** | | | |
| Items supplied | | lock nuts: 2 | |
| **Remarks** | | | |
| Pack quantity | | 1 pcs. | |
| **Electrical connection** | | | |

Connector: 1 x M12; coding: A




Connection

