

# Infrared detectors for detecting hot objects

## | OD 100 GPP

- Sensor with 2 adjustable switching points in the detection range 0° C...300° C
- Contactless temperature measurement
- Robust stainless steel housing
- Two PNP switching outputs
- For use in rough industrial environments

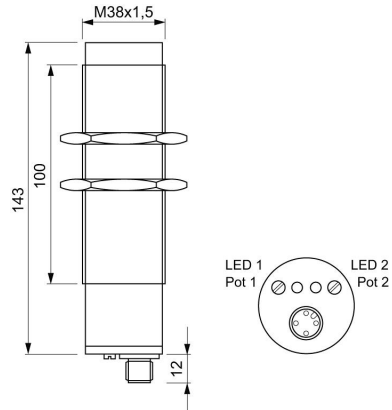


**M38x1.5 -sensing range 0...300 °C - Output 2x PNP NO**

|  |                             |
|--|-----------------------------|
| <b>TYPE</b>  | OD 100 GPP                  |
| <b>Product ID</b>  | P61003                      |
| <b>Detection range °C</b>                                | 0 ... 300 °C                |
| <b>Field of view</b>                                     | < 10 °                      |
| <b>Output</b>  | 2 x switching output        |
| <b>Output function</b>                                   | PNP-NO                      |
| <b>Supply voltage</b>                                    | 18...32 VDC                 |
| <b>Current consumption max.</b>                          | 20 mA                       |
| <b>Switching current max.</b>                            | 400 mA                      |
| <b>Overcurrent release</b>                               | 450 mA                      |
| <b>Voltage drop max.</b>                                 | 2 V                         |
| <b>Reproduction</b>                                      | ± 1 °C                      |
| <b>Temperature coefficient [%/K from measured value]</b> | ± 1 %/K                     |
| <b>Hysteresis</b>  | 5 °C                        |
| <b>Response time</b>                                     | 100 ms                      |
| <b>Ambient temperature</b>                               | -10 ... 60 °C               |
| <b>EMC-class</b>   | A                           |
| <b>Material housing</b>                                  | stainless steel AISI 316 Ti |
| <b>Protection [EN 60529]</b>                             | IP 67                       |
| <b>Electrical connection</b>                             | M12 connector               |

löschen ? Maximum current consumption

Technical Image



Pin Map

