# OFS 080 P3S T3

## Optical Fork Sensors

Optical Fork Sensors



| Product Data | |
|---|---|
| Function | Fork Sensor |
| Operation Mode | Fork Sensors |
| Supply Voltage | 10 - 35 V dc |
| Control Feature | Sensitivity pot. and light/dark switch |
| Output | PNP |
| Output Status | N.C./N.O. |
| Light Source | Infrared |
| Fork Opening Width | 80 mm |
| Fork Opening Depth | 55 mm |

| Technical Data | |
|---|---|
| Supply Voltage | 10-35 V dc |
| Reverse Polarity Protected | Yes |
| Short Circuit Protected | Yes |
| Current Consumption | Max. 35 mA |
| Max. Output Load | 200 mA |
| Response Time ton / toff | 0,1 ms / 0,1 ms |
| Output Indicator | Yellow LED |
| Hysteresis | < 0,2 mm |
| Light Source | Infrared (880 nm) |
| Resolution | 0,4 mm |
| Operation Frequency | 5000 Hz |
| Housing Material, Front Lens | Glass |
| Housing Material, Fork Housing | Aluminium (black anodised) |

| Environmental Data | |
|---|---|
| Vibration | 10 - 55 Hz, 0,5 mm |
| Shock | 10 g |

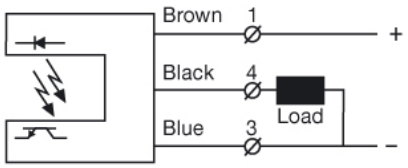
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| | |
|---|---|
| Operation Temperature | – 20 to +60 °C |
| Storage Temperature | – 40 to +80 °C |
| Sealing Class | IP 67 |
| Light Immunity 15˚ | > 50 000 lux |

## Approvals

CE UK CA

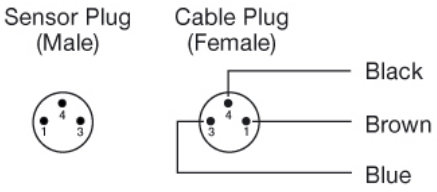
## Wiring Diagram




**PxS**

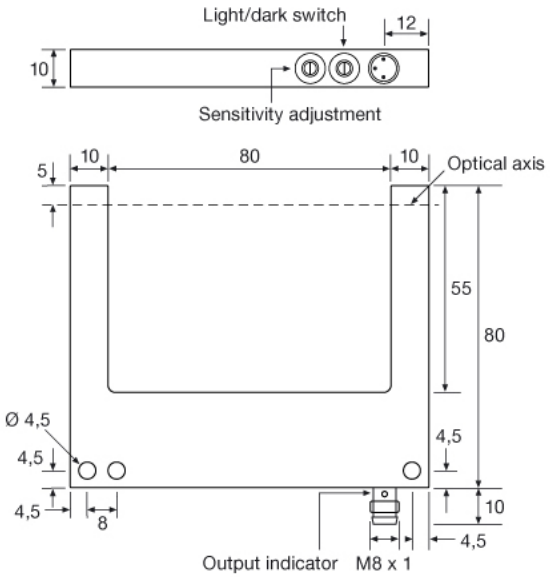
## Connections

**3 pin, M8**




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## Dimensions




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