

# DS18VP6LPQ

## Photoelectric Sensor

### Technical data

|                              |                                           |
|------------------------------|-------------------------------------------|
| Type                         | DS18VP6LPQ                                |
| ID                           | 3078111                                   |
| <b>Optical data</b>          |                                           |
| Function                     | Retroreflective Sensor                    |
| Operating mode               | Polarized                                 |
| Wavelength                   | 660 nm                                    |
| Range                        | 5...3500 mm                               |
| <b>Electrical data</b>       |                                           |
| Operating voltage            | 10...30 VDC                               |
| Residual ripple              | < 10 % U <sub>ss</sub>                    |
| DC rated operational current | ≤ 100 mA                                  |
| Short-circuit protection     | yes                                       |
| Reverse polarity protection  | yes                                       |
| Output function              | NO/NC, PNP                                |
| Current output               | 100 mA                                    |
| Readiness delay              | ≤ 100 ms                                  |
| Response time typical        | < 2 ms                                    |
| <b>Mechanical data</b>       |                                           |
| Design                       | Rectangular with thread, DS18             |
| Dimensions                   | Ø 18 x 31.1 x 15 x 47.9 mm                |
| Housing material             | Plastic, Thermoplastic material           |
| Lens                         | Acrylic                                   |
| Electrical connection        | Cable with connector, M8 × 1, 0.15 m, PVC |
| Number of cores              | 4                                         |
| Ambient temperature          | -20...+70 °C                              |
| Protection class             | IP67                                      |
| Switching state              | LED, Yellow                               |
| Error indication             | LED, green, Flashing                      |
| Excess gain indication       | LED, yellow, flashing                     |
| <b>Tests/approvals</b>       |                                           |



### Features

- Operating voltage: 10...30 VDC
- PNP switching output, changeover

### Wiring diagram

