

# DS18VP6R

## Photoelectric Sensor

### Technical data

|                              |                                 |
|------------------------------|---------------------------------|
| Type                         | DS18VP6R                        |
| ID                           | 3076531                         |
| <b>Optical data</b>          |                                 |
| Function                     | Opposed mode sensor             |
| Operating mode               | Receiver                        |
| Wavelength                   | 940 nm                          |
| Range                        | 0...20000 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        | < 0.8 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, 2 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

