

# DS18VN6R

## Photoelectric Sensor

### Technical data

Type	DS18VN6R
ID no.	3076528
<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, NPN
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
- NPN switching output, changeover

### Wiring diagram

