

DS18VN6R W/30

Photoelectric Sensor

Technical data

Type	DS18VN6R W/30
ID no.	3076747
Optical data	
Function	Opposed mode sensor
Operating mode	Receiver
Wavelength	940 nm
Range	0...20000 mm
Electrical data	
Operating voltage	10...30 VDC
Residual ripple	< 10 % U _{ss}
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
Mechanical data	
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, 9 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
Tests/approvals	



Features

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

Wiring diagram

