

DS18VN6RQ5

Photoelectric Sensor

Technical data

Type	DS18VN6RQ5
ID no.	3078102
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 with connector, M12 × 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
Tests/approvals	



Features

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

Wiring diagram

