

DS18VN6FF50Q5

Photoelectric Sensor

Technical data

Type	DS18VN6FF50Q5
ID no.	3078114
Optical data	
Function	Proximity switch
Operating mode	Background suppression, non-adjustable
Wavelength	660 nm
Range	0...50 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	< 2 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

