

Photoelectric Sensor

DS18VN6FF100Q7

Type	DS18VN6FF100Q7
ID	3076543

Optical data	
Function	Proximity switch
Operating mode	Background suppression, non-adjustable
Wavelength	660 nm
Range	0...100 mm

Electrical data	
Operating voltage U_s	10...30 VDC
Residual ripple	< 10 % U_s
DC rated operating current I_s	≤ 100 mA
Short-circuit protection	yes
Reverse polarity protection	yes
Output function	NO/NC, NPN
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 55.4 mm
Housing material	Plastic, Thermoplastic material
Electrical connection	Connector, M8 × 1, 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	
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- Operating voltage: 10...30 VDC
- NPN switching output, changeover

Wiring Diagram

