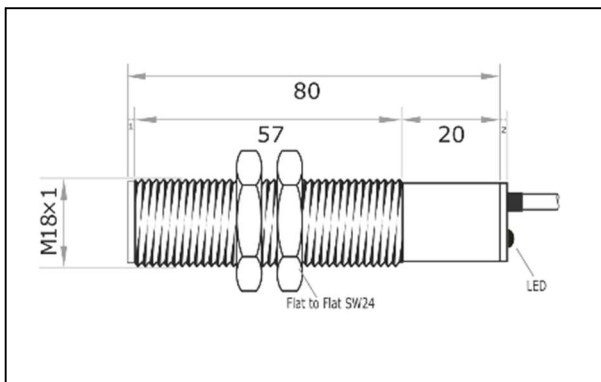


Photo Electric Proximity Switch - Diffuse Reflection

M18 | 100mm | NPN | Dark ON | 200mA | 3 Wire | SCP

Ordering Code: D31C-18DR-100-ND-2S



ACCENT CONTROLS

Technical Specifications

Optical Data

Detection range (Sd)	100 mm $\pm$ 10%
Minimum Target Size	200 x 200 mm White Paper of 90% Reflectivity
Hysteresis	$\leq$ 25% of Sd
Light Source	Infrared
Maximum Ambient Light	10,000 Lux
Opening Angle	$\pm$ 10°

Electrical Data

Operating Voltage	10 - 30 VDC
Supply Voltage Ripple	< 10 % peak-to-peak
Current Consumption (No Load)	< 40 mA
Output Circuit Type	NPN, Dark ON
Maximum Load Current	200 mA
Voltage Drop	$\leq$ 2.5V
Temperature Drift of Switching Point	$\pm$ 10 %
Operating Temperature Range	0 to 60°C
Detection Range adjustment (Optional)	Via Multi turn Potentiometer
Switching Frequency	250 Hz
O/P status Indicator	Red LED
Short circuit Protection	Yes
Reverse Polarity Protection	Yes

Mechanical Data

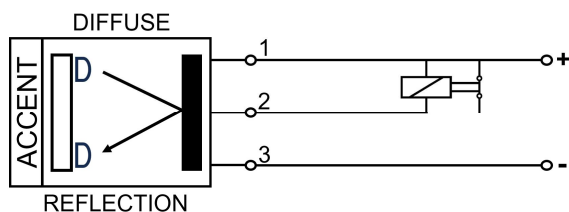
Environmental Protection	IP67
Housing Dimensions	M18 x 80;
Housing Material	Nickel Plated Brass

Electrical Connections

Termination	2 meter Prewired 3-Core PVC Cable (3 x 0.22mm ²)
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Accessories

Mounting Nuts – 2 nos. (Included in Delivery)



Wire Colour Coding:

1. RED : +
2. GREEN : Output
3. BLACK : -