

F18RP-BN-0E Cut Sheet



ProSense photoelectric sensor, tubular, threaded, polarized retroreflective, visible red, 0.1-4m sensing distance, complementary light-on/dark-on, NPN, potentiometer, 4-pin M12 quick-disconnect.

For complete product information, please see this item on our store at the following link:



<https://www.automationdirect.com/pn/F18RP-BN-0E>

Technical Specifications

Brand	ProSense
Item	Photoelectric sensor
Shape	Tubular
Barrel Type	Threaded
Housing Size	18mm diameter x 81.5mm body
IP Rating	IP67
Housing Material	Polybutylene terephthalate
Sensing Method	Polarized retroreflective
Operating Voltage	10-30 VDC
Switching Output	NPN

Sensing Distance	0.1-4m
Sensitivity	Potentiometer
Operation Mode	Complementary light-on/dark-on
Switching Frequency	1000 Hz
Light Emission (NP)	Visible red
IO-Link Compatible	No
Connection	4-pin M12 quick-disconnect
Includes	Mounting hardware
Additional Information	Purchase cable separately

Agency Approvals

UL Listed File #	NRKH E328811
UL Recognized File #	None
UL Hazardous File #	None
CE	View CE declarations
CSA File #	60497-5-2-14
RoHS Status	Yes (See CE Doc)
EU REACH	View EU REACH document

Dimensional Drawings



2D Drawing PDF Link:
<https://cdn.automationdirect.com/static/drawings/2d/F18RP-BN-0E.pdf>
See store item page for other formats.