

# F18RS-BN-0E Cut Sheet



ProSense photoelectric sensor, tubular, threaded, diffuse with background suppression, 50-150mm sensing distance, complementary light-on/dark-on, NPN, teach-in button, 500 Hz switching frequency, 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/F18RS-BN-0E>

## Technical Specifications

Brand	ProSense
Item	Photoelectric sensor
Shape	Tubular
Barrel Type	Threaded
Housing Size	18mm diameter x 95mm body
IP Rating	IP67
Housing Material	Polybutylene terephthalate
Sensing Method	Diffuse with background suppression
Operating Voltage	10-30 VDC
Switching Output	NPN

Sensing Distance	50-150mm
Sensitivity	Teach-in button
Operation Mode	Complementary light-on/dark-on
Switching Frequency	500 Hz
Light Emission	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	<a href="#">View CE declarations</a>
CSA File #	60497-5-2-14
RoHS Status	Yes (See CE Doc)
EU REACH	<a href="#">View EU REACH document</a>

## Dimensional Drawings



2D Drawing PDF Link:  
<https://cdn.automationdirect.com/static/drawings/2d/F18RS-BN-0E.pdf>  
See store item page for other formats.