

# F18RS-BN-0A 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, 6.5ft/2m cable length, pigtail.

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



<https://www.automationdirect.com/pn/F18RS-BN-0A>

## Technical Specifications

<b>Brand</b>	ProSense
<b>Item</b>	Photoelectric sensor
<b>Shape</b>	Tubular
<b>Barrel Type</b>	Threaded
<b>Housing Size</b>	18mm diameter x 91.5mm body
<b>IP Rating</b>	IP67
<b>Housing Material</b>	Polybutylene terephthalate
<b>Sensing Method</b>	Diffuse with background suppression
<b>Operating Voltage</b>	10-30 VDC
<b>Switching Output</b>	NPN
<b>Sensing Distance</b>	50-150mm

<b>Sensitivity</b>	Teach-in button
<b>Operation Mode</b>	Complementary light-on/dark-on
<b>Switching Frequency</b>	500 Hz
<b>Light Emission</b>	Visible red
<b>IO-Link Compatible</b>	No
<b>Cable Length</b>	6.5ft/2m
<b>Jacket Material</b>	Carbon steel
<b>Connection</b>	Pigtail
<b>Conductor Size</b>	26 AWG
<b>Includes</b>	Mounting hardware

## Agency Approvals

<b>UL Listed File #</b>	NRKH E328811
<b>UL Recognized File #</b>	None
<b>UL Hazardous File #</b>	None
<b>CE</b>	<a href="#">View CE declarations</a>
<b>CSA File #</b>	60497-5-2-14
<b>RoHS Status</b>	Yes (See CE Doc)
<b>EU REACH</b>	<a href="#">View EU REACH document</a>

## Dimensional Drawings



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