

# F18RP-BP-0A Cut Sheet



ProSense photoelectric sensor, tubular, threaded, polarized retroreflective, visible red, 0.1-4m sensing distance, complementary light-on/dark-on, PNP, potentiometer, pigtail.

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



<https://www.automationdirect.com/pn/F18RP-BP-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 77mm body  |
| <b>IP Rating</b>         | IP67                       |
| <b>Housing Material</b>  | Polybutylene terephthalate |
| <b>Sensing Method</b>    | Polarized retroreflective  |
| <b>Operating Voltage</b> | 10-30 VDC                  |
| <b>Switching Output</b>  | PNP                        |
| <b>Sensing Distance</b>  | 0.1-4m                     |

|                            |                                |
|----------------------------|--------------------------------|
| <b>Sensitivity</b>         | Potentiometer                  |
| <b>Operation Mode</b>      | Complementary light-on/dark-on |
| <b>Switching Frequency</b> | 1000 Hz                        |
| <b>Light Emission (NP)</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/F18RP-BP-0A.pdf>  
See store item page for other formats.