

FFRS-BN-1E Cut Sheet



AutomationDirect photoelectric sensor, tubular, threaded, 316L stainless steel, diffuse with background suppression, 30-130mm sensing distance, complementary light-on/dark-on, NPN, teach-in button, 1 kHz 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/FFRS-BN-1E>

Technical Specifications

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|-------------------|---|
| Brand | AutomationDirect |
| Item | Photoelectric sensor |
| Shape | Tubular |
| Barrel Type | Threaded |
| Housing Size | 18mm diameter x 82.5mm body |
| IP Rating | IP69K |
| Application | For harsh duty / food and beverage applications |
| Housing Material | 316L stainless steel |
| Sensing Method | Diffuse with background suppression |
| Operating Voltage | 10-30 VDC |

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|------------------------|--------------------------------|
| Number of Wires | 4 |
| Switching Output | NPN |
| Sensing Distance | 30-130mm |
| Sensitivity | Teach-in button |
| Operation Mode | Complementary light-on/dark-on |
| Switching Frequency | 1 kHz |
| Light Emission | Visible red |
| Connection | 4-pin M12 quick-disconnect |
| Includes | Mounting hardware |
| Additional Information | Purchase cable separately |

Agency Approvals

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| UL Listed File # | E187310 |
| UL Recognized File # | None |
| UL Hazardous File # | None |
| CE | View CE declarations |
| CSA File # | None |
| RoHS Status | Yes (See CE Doc) |
| EU REACH | View EU REACH document |

Dimensional Drawings



2D Drawing PDF Link:
<https://cdn.automationdirect.com/static/drawings/FFRS-BN-1E.pdf>
See store item page for other formats.