

FFRN-BN-1E Cut Sheet



AutomationDirect photoelectric sensor, tubular, threaded, polarized retroreflective, visible red, 4m sensing distance, complementary light-on/dark-on, NPN, pushbutton, 4-wire, 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/FFRN-BN-1E>

Technical Specifications

Brand	AutomationDirect
Item	Photoelectric sensor
Shape	Tubular
Barrel Type	Threaded
IP Rating	IP69K
Application	Harsh duty and food and beverage
Housing Size	18mm diameter x 82.5mm body
Housing Material	316L stainless steel
Sensing Method	Polarized retroreflective
Operating Voltage	10–30 VDC
Switching Output	NPN

Sensing Distance	4m
Operation Mode	Complementary light-on/dark-on
Switching Frequency	500 Hz
Light Emission	Visible red
IO-Link Compatible	No
User Interface	Pushbutton
Connection	4-pin M12 quick-disconnect
Number of Wires	4
Includes	Mounting hardware
Additional Information	Purchase cable and reflector separately

Agency Approvals

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/FFRN-BN-1E.pdf>
See store item page for other formats.