

# FFRS-0P-1E77 Cut Sheet



AutomationDirect photoelectric sensor, tubular, threaded, 316L stainless steel, diffuse with background suppression, 60-100mm sensing distance, selectable light-on/dark-on, PNP, teach-in button, 400 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/FFRS-0P-1E77>

## Technical Specifications

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

Number of Wires	4
Switching Output	PNP
Sensing Distance	60-100mm
Sensitivity	Teach-in button
Operation Mode	Selectable light-on/dark-on
Switching Frequency	400 Hz
Light Emission	Visible red
Connection	4-pin M12 quick-disconnect
Includes	Mounting hardware
Additional Information	Purchase cable separately

## Agency Approvals

UL Listed File #	E187310
UL Recognized File #	None
UL Hazardous File #	None
CE	<a href="#">View CE declarations</a>
CSA File #	None
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/FFRS-0P-1E77.pdf>  
See store item page for other formats.