

INDUSTRIAL COMPONENT DATA

E3F1-DN21 E3F12006H E3F1DN21OMI OMRON Plastic Reflex 100mm NPN M12 Connector Lite

Brand: OMRON | Manufacturer Part Number: E3F1-DN21



Manufacturer	OMRON
MPN / Reference	E3F1-DN21
Catalog number	E3F1DN21OMI
Category	Diffuse reflective photoelectric sensor
Minimum order	1 Pcs
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Product Overview

Plastic Reflex 100mm NPN M12 Connector Lite

Photoelectric sensor, M18 threaded barrel, plastic, red LED, diffuse, 100 mm, NPN, Light-ON/Dark-ON, M12 connector

STRUCTURED PRODUCT DATA

Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

Classification & Catalog Path

Catalog path OMRON > Photoelectric sensors > E3F1

Additional Product Information

FeaturesStandard M18 Photosensor with best price-value ratio

Omron E3F1 series represents an M18 size Photoelectric sensor with best value at competitive price. It features the same compact housing as E3FA and meets all requirements for standard industrial applications.

Bright visible red LED enabling easy alignment

Compact and robust housing for easy integration into machines

Reliable operation in all industrial environments

Compact size and shape

Compact size and shape. Can be installed almost anywhere.

Visible LED light for easy alignment

All models feature bright LED light for easy alignment.

Ordering information

Sensor type

Sensing distance

Connection method

Order code

NPN output

PNP output

Through-beam

15 m

-

-

2 m

-

E3F1-TN11 2M1

E3F1-TP11 2M1

-

¢

-

-

E3F1-TN211

E3F1-TP211

Retro-reflective2

0.1 to 3 m (with E39-R1S)

-

-

2 m

-

E3F1-RN11 2M

E3F1-RP11 2M

-

¢

-

-

E3F1-RN21

E3F1-RP21

Diffuse-reflective

100 mm

-

-

2 m

-

E3F1-DN11 2M

E3F1-DP11 2M

-

¢

-

-

E3F1-DN21

E3F1-DP21

300 mm

-

-

2 m

-

E3F1-DN12 2M

E3F1-DP12 2M

-

¢

-

-

E3F1-DN22

E3F1-DP22

Specifications

Sensing method

Through-beam

Retro-reflective

Diffuse-reflective

Model

NPN

output

Pre-wired

E3F1-TN11 2M

E3F1-RN11 2M

E3F1-DN11 2M

E3F1-DN12 2M

M12 Connector

E3F1-TN21

E3F1-RN21

E3F1-DN21

E3F1-DN22

PNP

output

Pre-wired

E3F1-TP11 2M

E3F1-RP11 2M

E3F1-DP11 2M

E3F1-DP12 2M

Item

M12 Connector

E3F1-TP21

E3F1-RP21

E3F1-DP21

E3F1-DP22

Sensing distance

15 m

0.1 to 3 m

100 mm

300 mm

Light source (wavelength)

Red LED (624 nm)

Power...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / E3F1-DN21 with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

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