

INDUSTRIAL COMPONENT DATA

E3F1-DP12 2M E3F12011D E3F1DP122MOMI OMRON Plastic Reflex 300mm PNP Cable 2m Lite

Brand: OMRON | Manufacturer Part Number: E3F1-DP12 2M



Manufacturer	OMRON
MPN / Reference	E3F1-DP12 2M
Catalog number	E3F1DP122MOMI
Category	Diffuse reflective photoelectric sensor
Minimum order	1 Pcs
Document ID	EO-9E359DA397
Generated	2026-07-27

Product Overview

Plastic Reflex 300mm PNP Cable 2m Lite

Photoelectric sensor, M18 threaded barrel, plastic, red LED, diffuse, 300 mm, PNP, Light-ON/Dark-ON, 2 m cable

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-DP12 2M 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

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.