

INDUSTRIAL COMPONENT DATA

E2F-X2E1 2M E2F 7096H E2FX2E12MOMS OMRON Plastic 3h 2mm M12 NPN NA Cable 2m

Brand: OMRON | Manufacturer Part Number: E2F-X2E1 2M



Manufacturer	OMRON
MPN / Reference	E2F-X2E1 2M
Catalog number	E2FX2E12MOMS
Category	Inductive proximity switch
Minimum order	1 Pcs
Document ID	EO-A2DB5A7524
Generated	2026-07-29

Product Overview

Plastic 3h 2mm M12 NPN NA Cable 2m

Proximity sensor, plastic body, inductive, M12, shielded, 2 mm, DC, 3-wire, NPN-NO, 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 > Proximity Sensors > E2F
--------------	---------------------------------

Additional Product Information

FeaturesChemical resistant inductive sensor in cylindrical PTFE housing

The E2FQ features a full-body fluoro plastic housing for chemical resistance (e.g. against cleaning agents used in the semiconductor industry).

Full body fluoro plastic housing for chemical resistance

DC 2-wire and DC 3-wire models

Ordering information

DC 2-wire (pre-wired)

Size

Sensing distance

Order code1(for pre-wired types with 2 m PVC cable)

M12

?

—

2 mm

E2FQ-X2D1

M18

5 mm

E2FQ-X5D1

M30

10 mm

E2FQ-X10D1

DC 3-wire (pre-wired)

Size

Sensing distance

Order code¹(for pre-wired types with 2 m PVC cable)

PNP

NPN

M12

?

—

2 mm

E2FQ-X2F1

E2FQ-X2E1

M18

5 mm

E2FQ-X5F1

E2FQ-X5E1

M30

10 mm

E2FQ-X10F1

E2FQ-X10E1

Specifications

Item

M12

M18

M30

E2FQ-X2_

E2FQ-X5_

E2FQ-X10_

Sensing distance

2 mm±10%

5 mm±10%

10 mm±10%

Response frequency

E1, F1 models: 1.5 kHz

D1 models: 800 Hz

E1, F1 models: 600 Hz,

D1 models: 500 Hz

E1, F1 models: 400 Hz,

D1 models: 300 Hz

Power supply voltage

(Operating voltage)

E1, F1 models: 12 to 24 VDC, ripple (p-p): 10% max., (10 to 30 VDC)

D1 models: 12 to 24 VDC, ripple (p-p): 20% max., (10 to 36 VDC)

Protective circuits

D1 models: surge suppressor

E1, F1 models: power supply, reverse polarity protection, short circuit protection, surge suppressor

Ambient temperature

Operating

-25 to 70°C (with no icing or condensation)

Storage

Degree of protection

IEC60529 IP67

Material

Case

PTFE

Sensing surface

PTFE

1.Operation mode normally open (NO)

ETIM for 235688 Sensors (EC002714)

Feature Name

Feature...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / E2F-X2E1 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.