

INDUSTRIAL COMPONENT DATA

E2F-X5E1 2M E2F 7098D E2FX5E12MOMS OMRON Plastic 3 mm 5 mm M18 NPN NA Cable 2m

Brand: OMRON | Manufacturer Part Number: E2F-X5E1 2M



Manufacturer	OMRON
MPN / Reference	E2F-X5E1 2M
Catalog number	E2FX5E12MOMS
Category	Inductive proximity switch
Minimum order	1 Pcs
Document ID	EO-95221B69BE
Generated	2026-08-01

Product Overview

Plastic 3 mm 5 mm M18 NPN NA Cable 2m

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)

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / E2F-X5E1 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.