

**INDUSTRIAL COMPONENT DATA**

# E2EC-X4D1 E2EC1040M E2ECX4D1 OMRON 2h Enr 4mm M12 NA

Brand: OMRON | Manufacturer Part Number: E2EC-X4D1



|                 |                            |
|-----------------|----------------------------|
| Manufacturer    | OMRON                      |
| MPN / Reference | E2EC-X4D1                  |
| Catalog number  | E2ECX4D1                   |
| Category        | Inductive proximity switch |
| Minimum order   | 1 Pcs                      |
| Document ID     | EO-608D467D80              |
| Generated       | 2026-08-01                 |

## Product Overview

2h Enr 4mm M12 NA

Proximity sensor, inductive, M12, Shielded, 4 mm, DC, 2-wire, PW, NC

**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 > Others |
|--------------|------------------------------------|

## Additional Product Information

3 mm diameter sensing head for smallest spaces

18 mm long ultra short M12 size housing

Full metal housing model for highest resistance in demanding environments

Specifications & ordering info

Ordering information

Standard (plastic sensing surface) DC 2-wire

Size

Order code

(pre-wired types with 2 m cable length)1

Operation mode NO

Operation mode NC

3-mm dia.

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E2EC-CR8D1

E2EC-CR8D2

5.4-mm dia.

E2EC-C1R5D1

E2EC-C1R5D2

8-mm dia.

E2EC-C3D1

E2EC-C3D2

M12

E2EC-X4D1

E2EC-X4D2

High protection (all metal face) DC 3-wire and DC 2-wire

Size

Order code

(pre-wired types with 2 m cable length)2

DC 3-wire

Operation mode NO

DC 2-wire

Operation mode NO

8-mm dia.

?

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E2EC-MC2B1

E2EC-MC2D1

E2EC-QC2D1-M1GJ-T3

(fluoroplastic coating)

Specifications

Item

dia. 3

dia. 5.4

dia. 8

M12

E2EC-CR8D\_

E2EC-C1R5D\_

E2EC-MC

E2EC-QC

E2EC-C3D\_

E2EC-X4D\_

Sensing distance

0.8 mm±15%

1.5 mm±10%

2 mm±10%

3 mm±10%

4 mm±10%

Response frequency

1.5 kHz

100 Hz

1 kHz

Power supply voltage

(Operating voltage)

12 to 24 VDC (10 to 30 VDC) ripple (p-p): 10% max.

Protective circuits

Surge absorber, short-circuit protection

Ambient temperature

Operating

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

Storage

Degree of protection

IEC60529 IP67

Material

Case

Brass

Stainless steel (SUS303)

Brass

Sensing surface

ABS

Stainless steel (SUS303)

ABS

1.Cable length from sensor head to remote amplifier is 0.4 m2.Cable length from sensor head to remote amplifier is 0.4 m3.The remote amplifier is equipped with a M12 plug with 30 cm cable. Ca...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / E2EC-X4D1 with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://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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