

INDUSTRIAL COMPONENT DATA

E2EC-C3D1 E2EC1032R E2ECC3D1 OMRON 2h Enr 3mm D8mm NA

Brand: OMRON | Manufacturer Part Number: E2EC-C3D1



Manufacturer	OMRON
MPN / Reference	E2EC-C3D1
Catalog number	E2ECC3D1
Category	Inductive proximity switch
Minimum order	1 Pcs
Document ID	EO-2FF7F332DC
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Product Overview

2h Enr 3mm D8mm NA

Proximity sensor, inductive, cable integrated amplifier, 8 mm diameter, 3 mm sensing range, NO, DC-2 wire, 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 > Others
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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-C3D1 with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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