

## INDUSTRIAL COMPONENT DATA

# E2C-EM02 176700 E2CEM02 OMRON Inductive with amp separate M10x22mm Enr 2mm Rep 2µm

Brand: OMRON | Manufacturer Part Number: E2C-EM02



|                 |                            |
|-----------------|----------------------------|
| Manufacturer    | OMRON                      |
| MPN / Reference | E2C-EM02                   |
| Catalog number  | E2CEM02                    |
| Category        | Inductive proximity switch |
| Minimum order   | 1 Pcs                      |
| Document ID     | EO-4AD9559A5B              |
| Generated       | 2026-08-02                 |

## Product Overview

Inductive with amp separate M10x22mm Enr 2mm Rep 2µm

Inductive with separate amp M10x22mm Enr 2mm Rep 20m

## STRUCTURED PRODUCT DATA

## Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

## Classification & Catalog Path

Catalog path OMRON &gt; Advanced sensors &gt; Other Sensors

## Additional Product Information

Typically several hundred µm detection precision

Precision distance teaching

Window function (2 outputs) for production tolerance checks

Specifications &amp; ordering info

Ordering information

Sensor heads

Appearance

Sensing distance

Repeat accuracy

Order code

3 dia. × 18

¢

-

0.6 mm

1  $\mu\text{m}$   
E2C-EDR6-F  
5.4 dia.  $\times$  18  
1 mm  
1  $\mu\text{m}$   
E2C-ED011  
8 dia.  $\times$  22  
2 mm  
2  $\mu\text{m}$   
E2C-ED021  
M10  $\times$  22  
2 mm  
2  $\mu\text{m}$   
E2C-EM021  
30  $\times$  14  $\times$  4.8  
5 mm  
2  $\mu\text{m}$   
E2C-EV051  
M18  $\times$  46.3  
-  
¢  
7 mm  
5  $\mu\text{m}$   
E2C-EM07M1  
M12  $\times$  22  
¢  
-  
2 mm  
2  $\mu\text{m}$   
E2C-EM02H  
Amplifier units with cables  
Item  
Functions  
Order code  
NPN output  
PNP output  
Twin-output  
models  
Area output, open  
circuit detection,  
differential operation  
E2C-EDA11  
E2C-EDA41  
External-input models  
Remote setting,  
differential operation  
E2C-EDA21

E2C-EDA51

Amplifier units with connectors2

Item

Functions

Order code

NPN output

PNP output

Twin-output

models

Area output, open

circuit detection,

differential operation

E2C-EDA6

E2C-EDA8

External-input models

Remote setting,

differential operation

E2C-EDA7

E2C-EDA9

Specifications

Sensor heads

Item

3 dia.

5.4 dia.

8 dia.

M10

M18

30×14×4.8 mm

M12

E2C-EDR6-F

E2C-ED01(-\_)

E2C-ED02(-\_)

E2C-EM02(-\_)

E2C-EM07(-\_)

E2C-EV05(-\_)

E2C-EM02H

Ambient temperature

Operating

-10 to 60°C (with no icing or condensation)

-10 to 200°C

Storage

Degree of protection

IEC60529 IP67

IEC60529 IP60

Material

Case

Brass

Stainless steel

Brass

Zinc

Brass

Sensing surface

Heat-resistant ABS

PEEK

Note: For amplifier specifications refer to complete datasheet

1. For models with cut...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / E2C-EM02 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

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.