

**INDUSTRIAL COMPONENT DATA**

# E32-T12B 10M E32 2163D E32T12B10M OMRON Fiber optic sensor, through-beam, 3 mm dia head, robot application, ..

Brand: OMRON | Manufacturer Part Number: E32-T12B 10M



|                 |                                                |
|-----------------|------------------------------------------------|
| Manufacturer    | OMRON                                          |
| MPN / Reference | E32-T12B 10M                                   |
| Catalog number  | E32T12B10M                                     |
| Category        | Optical fibre sensor / optical fibre amplifier |
| Minimum order   | 1 Pcs                                          |
| Document ID     | EO-D39E496067                                  |
| Generated       | 2026-07-28                                     |

## Product Overview

Fiber optic sensor, through-beam, 3 mm dia head, robot application, break resistant R4 fiber, 10 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 > Photoelectric sensors > E32 |
|--------------|-------------------------------------|

## Additional Product Information

FeaturesRobot application fiber sensor heads

For applications on frequently or fast moving parts, the robot fibers reduce the risk of fiber breakage with a guaranteed operational life of more than 1 million bending cycles.

Free moving multicore fibers for > 1 mio bending cycles

Square shapes for easy surface installation

Cylindrical sizes from dia 1.5 mm to M6

Tested durability

Guaranteed more than 1 mio bending operations.

Fiber breakage protection

Free moving fiber cores prevent fiber breakage and light intensity loss when the fiber is bent.

Ordering information

Sensor type

Size

Sensing distance (in mm)1

Order code

E3X-HD  
E3NX-FA  
M4  
1350  
2000  
E32-T11 2M  
M3  
400  
600  
E32-T21 2M  
dia 3 mm  
1350  
2000  
E32-T12B  
dia 2 mm  
400  
600  
E32-T221B  
dia 1.5 mm  
400  
600  
E32-T22B  
15 × 18 × 3 mm  
1350  
2000  
E32-T15XB 2M  
M6  
350  
520  
E32-D11 2M  
M4  
140  
210  
E32-D21B 2M  
M3  
60  
90  
E32-D21 2M  
dia 1.5 mm  
60  
90  
E32-D22B 2M  
15 × 10 × 3 mm  
350  
520  
E32-D15XB 2M  
Specifications

Item

Square

Cylindrical

E32-D15XB

E32-T15XB

E32-T21

E32-D11

E32-T11

E32-D21

E32-T12B

E32-T22B

E32-D21B

E32-D22B

E32-T221B

Permissible bending radius

R4

Cut to length

Yes

Ambient temperature

-40°C to 70°C

Material

Head

Aluminium

Brass-nickel plated

Stainless steel

Fiber

PMMA

Sheath

PVC coating

Polyethylene coating

PVC coating

Degree of protection

IEC 60529 IP67

1.Sensing distance measured in Standard Mode

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / E32-T12B 10M 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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