

## INDUSTRIAL COMPONENT DATA

# E3FA-TN21 E3FA2011D E3FATN21OMI OMRON Plastic Barrier 20m NPN M12 Connector

Brand: OMRON | Manufacturer Part Number: E3FA-TN21



|                 |                                   |
|-----------------|-----------------------------------|
| Manufacturer    | OMRON                             |
| MPN / Reference | E3FA-TN21                         |
| Catalog number  | E3FATN21OMI                       |
| Category        | Through beam photoelectric sensor |
| Minimum order   | 1 Pcs                             |
| Document ID     | EO-8703BD65CD                     |
| Generated       | 2026-08-01                        |

## Product Overview

Plastic Barrier 20m NPN M12 Connector

Photoelectric sensor, M18 threaded barrel, plastic, red LED, through-beam, 20 m, NPN, Light-ON/Dark-ON, M12 connector

## 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; Photoelectric sensors &gt; E3FA / E3RA

## Additional Product Information

ShapeCylindrical axialSensing methodThrough-beamSensing distance20000 mmSetting methodManual  
adjustmentConnection methodConnector M12Output typeNPNOperation modeDark-ON, Light-ONResponse time0.5  
msMaterial housingABSThread sizeM18Product Length (unpacked)45 mmType of lightPolarity free red lightPower supply  
voltage10-30 VDegree of protection (IP)IP67/IP69K  
ETIM for 404483 Sensors (EC002716)  
Feature Name  
Feature Value  
Explosion safety category for dust (EF003998)  
None  
Voltage type (EF000187)  
DC  
Construction type housing (EF004008)  
Cylinder, screw-thread  
Scope of delivery of the one-way system (EF004032)

Transmitter and receiver  
Laser protection class (EF004027)  
None  
Degree of protection (NEMA) (EF011959)  
Other  
Degree of protection (IP) (EF005474)  
IP67  
Setting procedure (EF003994)  
Manual adjustment  
Material of optical surface (EF004134)  
Plastic  
Sensing mode (EF007503)  
Light-/dark switching  
Type of interface for safety communication (EF003956)  
Other  
Type of switch function (EF003963)  
Programmable/configurable  
Type of electric connection (EF003961)  
Connector M12  
Housing material (EF001596)  
Plastic  
Type of light (EF004029)  
Polarity free red light  
Material of cable sheath (EF004136)  
Polyvinyl chloride (PVC)  
Type of switching output (EF003962)  
NPN  
Operation agent-safety class (EF003982)  
Safety class 3  
Explosion safety category for gas (EF003997)  
None  
With communication interface RS-485 (EF007314)  
No  
Analogue output -10 V ... +10 V (EF006809)  
No  
With communication interface SSD (EF0...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / E3FA-TN21 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

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