

## INDUSTRIAL COMPONENT DATA

# E3FB-DN21 E3FB2014C E3FBDN21OMI OMRON Metal Reflex 100mm NPN M12 Connector

Brand: OMRON | Manufacturer Part Number: E3FB-DN21



|                 |                                         |
|-----------------|-----------------------------------------|
| Manufacturer    | OMRON                                   |
| MPN / Reference | E3FB-DN21                               |
| Catalog number  | E3FBDN21OMI                             |
| Category        | Diffuse reflective photoelectric sensor |
| Minimum order   | 1 Pcs                                   |
| Document ID     | EO-7437B72212                           |
| Generated       | 2026-07-31                              |

## Product Overview

Metal Reflex 100mm NPN M12 Connector

Photoelectric sensor, M18 threaded barrel, metal, red LED, diffuse, 100 mm, 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 methodDiffuse reflectiveSensing distance100 mmSetting methodManual  
adjustmentConnection methodConnector M12Output typeNPNOperation modeDark-ON, Light-ONResponse time0.5  
msMaterial housingBrass, nickel platedThread sizeM18Product Length (unpacked)48 mmType of lightPolarity free red  
lightPower supply voltage10-30 VDegree of protection (IP)IP67/IP69K  
ETIM for 378904 Sensors (EC001821)  
Feature Name  
Feature Value  
Explosion safety category for dust (EF003998)  
None  
Voltage type (EF000187)  
DC  
Construction type housing (EF004008)  
Cylinder, screw-thread  
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)  
Metal  
Type of light (EF004029)  
Polarity free red light  
Material of cable sheath (EF004136)  
Other  
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 (EF007315)  
No  
With communication interface SSI (EF007316)  
No  
Analogue output 0 V...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / E3FB-DN21 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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