

## INDUSTRIAL COMPONENT DATA

# E3FB-RP21-F2 E3FB0058D E3FBRP21F2OMS OMRON Metal Mirror (not included) to 0.1-4m, PNP With default light M12

Brand: OMRON | Manufacturer Part Number: E3FB-RP21-F2



|                 |                                      |
|-----------------|--------------------------------------|
| Manufacturer    | OMRON                                |
| MPN / Reference | E3FB-RP21-F2                         |
| Catalog number  | E3FBRP21F2OMS                        |
| Category        | Retroreflective photoelectric sensor |
| Minimum order   | 1 Pcs                                |
| Document ID     | EO-3D98F4B5D4                        |
| Generated       | 2026-08-04                           |

## Product Overview

Metal Mirror (not included) to 0.1-4m, PNP With default light M12

Photoelectric sensor, M18 threaded barrel, metal, red LED, retro-reflective, 4 m, PNP, Light-ON/Dark-ON, inverted logic, 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 > Photoelectric sensors > E3FA / E3RA

## Additional Product Information

ShapeCylindrical axialSensing methodRetro-reflectiveSensing distance4000 mmSensing distance (min.)100 mmSetting methodManual adjustmentConnection methodConnector M12Output typePNPOperation modeDark-ON, Light-ONResponse time0.5 msMaterial housingBrass, nickel platedThread sizeM18Product Length (unpacked)48 mmType of lightPolarized red lightPower supply voltage10-30 VFeaturesM.S.R.Degree of protection (IP)IP67/IP69K

ETIM for 659019 Sensors (EC002717)

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)  
Polarized red light  
Type of switching output (EF003962)  
PNP  
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 ... 10....

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / E3FB-RP21-F2 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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