

## INDUSTRIAL COMPONENT DATA

# E3FA-VP21 E3FA2041F E3FAVP21OMI OMRON Plastic Reflex limited distance 10-50mm, PNP M12 Connector

Brand: OMRON | Manufacturer Part Number: E3FA-VP21



|                 |                                       |
|-----------------|---------------------------------------|
| Manufacturer    | OMRON                                 |
| MPN / Reference | E3FA-VP21                             |
| Catalog number  | E3FAVP21OMI                           |
| Category        | Light scanner with background masking |
| Minimum order   | 1 Pcs                                 |
| Document ID     | EO-BBBBFCCB5B                         |
| Generated       | 2026-08-02                            |

## Product Overview

Plastic Reflex limited distance 10-50mm, PNP M12 Connector

Photoelectric sensor, M18 threaded barrel, plastic, red LED, limited-reflective, 10 - 50 mm, PNP, 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 > Photoelectric sensors > E3FA / E3RA

## Additional Product Information

ShapeCylindrical axialSensing methodLimited reflectiveSensing distance50 mmSensing distance (min.)10 mmSetting methodManual adjustmentConnection methodConnector M12Output typePNPOperation modeDark-ON, Light-ONResponse time0.5 msMaterial housingABSThread sizeM18Product Length (unpacked)45 mmType of lightPolarity free red lightPower supply voltage10-30 VFeaturesTransparent detectionDegree of protection (IP)IP67/IP69K

ETIM for 378887 Sensors (EC002719)

Feature Name

Feature Value

Degree of protection (NEMA) (EF011959)

Other

Degree of protection (IP) (EF005474)

IP67

Material of optical surface (EF004134)

Plastic

Type of interface for safety communication (EF003956)

Other

Housing material (EF001596)

Plastic

Operation agent-safety class (EF003982)

Safety class 3

Explosion safety category for gas (EF003997)

None

Explosion safety category for dust (EF003998)

None

Voltage type (EF000187)

DC

Construction type housing (EF004008)

Cylinder, screw-thread

Laser protection class (EF004027)

None

Setting procedure (EF003994)

Manual adjustment

Sensing mode (EF007503)

Light/dark switching

Triangulation (EF008296)

Background fade-out

Type of switch function (EF003963)

Programmable/configurable

Type of electric connection (EF003961)

Connector M12

Type of light (EF004029)

Polarity free red light

Material of cable sheath (EF004136)

Polyvinyl chloride (PVC)

Type of switching output (EF003962)

PNP

With communication interface RS-485 (EF007314)

No

With communication interface SSD (EF007315)

No

With co...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / E3FA-VP21 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.