

## INDUSTRIAL COMPONENT DATA

# E3RA-RN21 E3RA2006R E3RARN21OMI OMRON Photoelectric sensor, M18 radial, plastic body, red LED, reflection on..

Brand: OMRON | Manufacturer Part Number: E3RA-RN21



|                 |                                      |
|-----------------|--------------------------------------|
| Manufacturer    | OMRON                                |
| MPN / Reference | E3RA-RN21                            |
| Catalog number  | E3RARN21OMI                          |
| Category        | Retroreflective photoelectric sensor |
| Minimum order   | 1 Pcs                                |
| Document ID     | EO-A0A8AFADB1                        |
| Generated       | 2026-07-31                           |

## Product Overview

Photoelectric sensor, M18 radial, plastic body, red LED, reflection on mirror, 0.1 to 4 mm, NPN, L-ON/D-ON selectable, M12 connector

Photoelectric sensor, M18 threaded barrel, radial type, plastic, red LED, retro-reflective, 4 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 > Photoelectric sensors > E3FA / E3RA |
|--------------|---------------------------------------------|

## Additional Product Information

ShapeCylindrical radialSensing methodRetro-reflectiveSensing distance3000 mmSensing distance (min.)100 mmSetting methodManual adjustmentConnection methodConnector M12Output typeNPNOperation modeDark-ON, Light-ONResponse time0.5 msMaterial housingABSThread sizeM18Product Length (unpacked)58 mmType of lightPolarized red lightPower supply voltage10-30 VFeaturesM.S.R.Degree of protection (IP)IP67/IP69K

ETIM for 378956 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)  
Plastic  
Type of light (EF004029)  
Polarized red light  
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 ... 10 V (EF006807)  
N...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / E3RA-RN21 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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