

INDUSTRIAL COMPONENT DATA

E3F1-RN21 E3F12005M E3F1RN21OMI OMRON Plastic Mirror (not included) 0,1-3m NPN M12 Connector Lite

Brand: OMRON | Manufacturer Part Number: E3F1-RN21



Manufacturer	OMRON
MPN / Reference	E3F1-RN21
Catalog number	E3F1RN21OMI
Category	Retroreflective photoelectric sensor
Minimum order	1 Pcs
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Product Overview

Plastic Mirror (not included) 0,1-3m NPN M12 Connector Lite

Photoelectric sensor, M18 threaded barrel, plastic, red LED, retro-reflective, 3 m, NPN, Light-ON/Dark-ON, M12 connector

Photoelectric sensor, M18 axial, plastic body, red LED, retro-reflective, 0.1 to 3 m, NPN, L-ON/D-ON selectable, 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 > E3F1

Additional Product Information

Specifications

Shape Cylindrical axial

Sensing method Retro-reflective

Sensing distance 3000 mm

Sensing distance (min.) 100 mm

Setting method Manual adjustment

Connection method Connector M12

Output type NPN

Operation mode Dark-ON, Light-ON

Response time 0.5 ms

Material housing ABS

Thread size M18

Length 45 mm

Type of light Polarity free red light

Power supply voltage 10-30 V

Accessories

E39-L182 E3FA/R flush mounting bracket

E39-L183 M18 L-type mounting bracket, stainless steel (SUS304)

E39-R1S Accessory photosensor, reflector, 40x60x7.5 mm, ABS & Acrylic

E39-R40 Accessory photosensor, reflector, 84.5 x 84.5 x 8.7 mm, ABS & Acrylic

E39-R7 Sensor reflector, round, 84mm dia

E39-RS1 Reflective tape, self adhesive, 35 x 10 mm

E39-RS2 Accessory photoelectric sensor, reflective tape, 40 x 35 x 0.6, self adhesive

E39-RS25 5M Accessory photoelectric sensor, reflective tape, 25 mm x 5 m

E39-RS3 Reflective tape, self-adhesive, 70x80mm

E39-RS50 5M Accessory photoelectric sensor, reflective tape, 50 mm x 5 m

ETIM for 378939 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)

IP66

Setting procedure (EF003994)

Manual adjustment

Material of optical surface (EF004134)

Plastic

Sensing mode (EF007503)

Light-/dark switching

Type of interface f...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / E3F1-RN21 with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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