

INDUSTRIAL COMPONENT DATA

E3FC-BN21 E3FC7003M E3FCBN21OMS OMRON

Photoelectric sensor, M18 axial, SUS body, red LED, transparent object..

Brand: OMRON | Manufacturer Part Number: E3FC-BN21



Manufacturer	OMRON
MPN / Reference	E3FC-BN21
Catalog number	E3FCBN21OMS
Category	Retroreflective photoelectric sensor
Minimum order	1 Pcs
Document ID	EO-FCC2710F8D
Generated	2026-08-03

Product Overview

Photoelectric sensor, M18 axial, SUS body, red LED, transparent object detection, 500mm, NPN, L-ON/D-ON selectable, M12 connector

Photoelectric sensor, M18 threaded barrel, stainless steel, red LED, retro-reflective, transparent object, 500 mm, NPN, Light-ON/Dark-ON, M12 connecto

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 methodCoaxial retro-reflectiveSensing distance500 mmSensing distance (min.)100 mmSetting methodManual adjustmentConnection methodConnector M12Output typeNPNOperation modeDark-ON, Light-ONResponse time0.5 msMaterial housingStainless steelThread sizeM18Product Length (unpacked)48 mmType of lightPolarity free red lightPower supply voltage10-30 VFeaturesP-opaquing function, Transparent detectionDegree of protection (IP)IP67/IP69K

ETIM for 670301 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)
Polarity free 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...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / E3FC-BN21 with the required quantity to info@electricaonline.com or use 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.