

INDUSTRIAL COMPONENT DATA

E3RB-TP21 E3RB2015B E3RBTP21OMI OMRON Metal Radial Barrier 15m PNP M12 Connector

Brand: OMRON | Manufacturer Part Number: E3RB-TP21



Manufacturer	OMRON
MPN / Reference	E3RB-TP21
Catalog number	E3RBTP21OMI
Category	Through beam photoelectric sensor
Minimum order	1 Pcs
Document ID	EO-D313407EE4
Generated	2026-07-29

Product Overview

Metal Radial Barrier 15m PNP M12 Connector

Photoelectric sensor, M18 threaded barrel, radial type, metal, red LED, through-beam, 15 m, 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 radialSensing methodThrough-beamSensing distance15000 mmSetting methodManual adjustmentConnection methodConnector M12Output typePNPOperation modeDark-ON, Light-ONResponse time0.5 msMaterial housingBrass, nickel platedThread sizeM18Product Length (unpacked)61 mmType of lightPolarity free red lightPower supply voltage10-30 VDegree of protection (IP)IP67/IP69K

ETIM for 378985 Sensors (EC002716)

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)

Metal

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

Scope of delivery of the one-way system (EF004032)

Transmitter and receiver

Laser protection class (EF004027)

None

Setting procedure (EF003994)

Manual adjustment

Sensing mode (EF007503)

Light-/dark switching

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 communication i...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / E3RB-TP21 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.