

INDUSTRIAL COMPONENT DATA

E3S-DBN22 E3S 7091M E3SDBN22OMS OMRON Plastic Obj transp Mirror(not incl) SmartTeach to 0.7 m, NPN, M12 plug..

Brand: OMRON | Manufacturer Part Number: E3S-DBN22



Manufacturer	OMRON
MPN / Reference	E3S-DBN22
Catalog number	E3SDBN22OMS
Category	Retroreflective photoelectric sensor
Minimum order	1 Pcs
Document ID	EO-62993072C7
Generated	2026-08-01

Product Overview

Plastic Obj transp Mirror(not incl) SmartTeach to 0.7 m, NPN, M12 plug PRO+

Photoelectric sensor, rectangular shape, red LED, transparent object detection, narrow beam, SmartTeach, 0.7 m, NPN, antivalent output, 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 > E3S-D

Additional Product Information

Specifications

Shape Cuboid

Sensing method Retro-reflective

Sensing distance 500 mm

Sensing distance (min.) 0 mm

Setting method Teach-In

Connection method Connector M12

Output type NPN

Operation mode Dark-ON, Light-ON

Response time 0.5 ms

Material housing ABS

Thread size Other

Product Width (unpacked) 15.8 mm

Product Height (unpacked) 48.5 mm
Product Depth (unpacked) 40.5 mm
Type of light Polarized red light
Power supply voltage 10-30 V
Features M.S.R., Narrow beam, Smart teach, Transparent detection
Degree of protection (IP) IP67/IP69K
Accessories
E39-R21 Accessory photoelectric sensors, reflector, microtriple 30x35mm
ETIM for 393260 Sensors (EC002717)
Feature Name
Feature Value
Explosion safety category for dust (EF003998)
None
Voltage type (EF000187)
DC
Construction type housing (EF004008)
Cuboid
Laser protection class (EF004027)
None
Degree of protection (NEMA) (EF011959)
Other
Degree of protection (IP) (EF005474)
IP67
Setting procedure (EF003994)
Teach-In
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)
Anticoincidence
Type of electric connection (EF003961)
Connector M12
Housing material (EF001596)
Plastic
Type of light (EF004029)
Polarity free red light
Type of switching output (EF003962)
NPN
Operation agent-safety class (EF003982)
Safety class 2
Explosion safety category for gas (EF003997)
None
With communication interface RS-485 (...)

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / E3S-DBN22 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.