

INDUSTRIAL COMPONENT DATA

E3S-DBN21 E3S 7089R E3SDBN21OMS OMRON Plastic Obj transp Mirror(not incl) SmartTeach 4.5 m NPN, M12 plug PRO+

Brand: OMRON | Manufacturer Part Number: E3S-DBN21



Manufacturer	OMRON
MPN / Reference	E3S-DBN21
Catalog number	E3SDBN21OMS
Category	Retroreflective photoelectric sensor
Minimum order	1 Pcs
Document ID	EO-C8731B2D62
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Product Overview

Plastic Obj transp Mirror(not incl) SmartTeach 4.5 m NPN, M12 plug PRO+

Photoelectric sensor, rectangular shape, red LED, transparent object detection, SmartTeach, 4.5 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 3500 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

Width 15.8 mm

Height 48.5 mm
Depth 40.5 mm
Type of light Polarized red light
Power supply voltage 10-30 V
Features M.S.R., Smart teach, Transparent detection
ETIM for 393258 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)
Polarized 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 (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 / E3S-DBN21 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

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