

INDUSTRIAL COMPONENT DATA

E3S-LS3NWT 2M E3SL1324D E3SLS3NWT2M OMRON

Photoelectric sensor, limited reflective, compact square, 10 to 60..

Brand: OMRON | Manufacturer Part Number: E3S-LS3NWT 2M



Manufacturer	OMRON
MPN / Reference	E3S-LS3NWT 2M
Catalog number	E3SLS3NWT2M
Category	Light scanner with background masking
Minimum order	1 Pcs
Document ID	EO-E270116EF1
Generated	2026-08-02

Product Overview

Photoelectric sensor, limited reflective, compact square, 10 to 60 mm range, NPN, red LED, timer function, 2 m cable

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
--------------	-------------------------------

Additional Product Information

FeaturesPhotoelectric sensor for structured object detection in plastic housing

The special wide beam optics of the E3S-LS3 ensures reliable detection of structured objects (with holes or different heights) and can be used for example to detect printed circuit boards (PCBs).

Wide beam for reliable detection of structured, shiny and irregularly shaped objects

Ordering information

Sensor type

Sensing distance

Connection method

Timer function

Output

Order code

Light ON

Limited-reflective

20 to 35 mm (Red light)

-

-

2 m

-

No

NPN

E3S-LS3N 2M

10 to 60 mm (Red light)

E3S-LS3NW 2M

20 to 35 mm

-

-

2 m

-

No

PNP

E3S-LS3P 2M

Yes

E3S-LS3PT 2M

-

-

-

⌀ M8 4-pin

No

E3S-LS3P-M3J

Yes

E3S-LS3PT-M3J

10 to 60 mm

-

-

2 m

-

No

E3S-LS3PW 2M

Yes

E3S-LS3PWT 2M

-

-

-

⌀ M8 4-pin

No

E3S-LS3PW-M3J

Yes

E3S-LS3PWT-M3J

Specifications

Item

Limited-reflective

E3S-LS3_

Light source (wave length)

Red LED (660 nm)

Power supply voltage

12 to 24 VDC $\pm$ 10%, ripple (p-p) 10% max.

Response time

1 ms max.

Timer function

Available with E3S-LS3P(W)T models only. Time range: 0.1 to 1.0 s (adjustable)

Ambient temperature

Operating

-10 to 55°C (with no icing or condensation)

Storage

-25 to 70°C (with no icing or condensation)

Degree of protection

IEC60529 IP40

Material

Case

ABS

Lens

Acrylic

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / E3S-LS3NWT 2M 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.