

INDUSTRIAL COMPONENT DATA

DF-LDL2-33X8 AA052890F DFLDL233X8,1 OMRON Diffusion plate for LDL2-33X8

Brand: OMRON | Manufacturer Part Number: DF-LDL2-33X8



Manufacturer	OMRON
MPN / Reference	DF-LDL2-33X8
Catalog number	DFLDL233X8.1
Category	Accessories/spare parts for sensor technology
Minimum order	1 Pcs
Document ID	EO-6D862125F0
Generated	2026-08-01

Product Overview

Diffusion plate for LDL2-33X8

STRUCTURED PRODUCT DATA

Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

Classification & Catalog Path

Catalog path	OMRON > Vision Systems > Special
--------------	----------------------------------

Additional Product Information

FeaturesFlat shape inductive sensor in compact plastic housing

The TL-W family offers a wide range of block style inductive sensors for simple mounting on flat surfaces. With sensing distances from 1.5 mm to 20 mm the TL-W is the ideal solution for all standard applications.

Front and side facing surface

IP67

DC 2-wire and DC 3-wire models

Sensing distances from 1.5 mm to 20 mm

Ordering information

DC 2-wire

Size in mm

(H × W × D)

Sensing distance

Order code (for pre-wired types with 2 m PVC cable)

Operation mode normally open (NO)

Operation mode normally closed (NC)

31 × 18 × 10

-

¢

5 mm

TL-W5MD1

TL-W5MD2

DC 3-wire

Size in mm

(H × W × D)

Sensing distance

Order code (for pre-wired types with 2 m PVC cable)

PNP-NO

PNP-NC

NPN-NO

NPN-NC

25 × 8 × 5

-

¢

1.5 mm

TL-W1R5MB1

-

TL-W1R5MC1

-

22 × 8 × 6

3 mm

TL-W3MB1

TL-W3MB2

TL-W3MC1

TL-W3MC2

31 × 18 × 10

5 mm

TL-W5MB1

TL-W5MB2

TL-W5MC1

TL-W5MC2

53 × 40 × 23

20 mm

-

-

TL-W20ME1

TL-W20ME2

31 × 18 × 10

¢

-

5 mm

TL-W5F1

TL-W5F2

TL-W5E1

TL-W5E2

Specifications

Item

TL-W5MD_

TL-W1R5M_1

TL-W3M__

TL-W5M__

TL-W5E_/F_

TL-W20ME_

Sensing distance

5 mm±10%

1.5 mm±10%

3 mm±10%

5 mm±10%

20 mm±10%

Response frequency

500 Hz

1 kHz min.

600 Hz min.

500 Hz min.

300 Hz min.

40 Hz min.

Power supply voltage

(operating voltage)

12 to 24 VDC (10 to 30 VDC) ripple (p-p): 10% max.

10 to 30 VDC with a ripple (p-p) of 20% max.

12 to 24 VDC

(10 to 30 VDC)

ripple (p-p): 10% max.

Protective circuits

Surge absorber; short-

circuit protection

Surge suppressor; power su...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / DF-LDL2-33X8 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.