

INDUSTRIAL COMPONENT DATA

ZX1-LD300A81L 2M ZX 1194C ZX1LD300A81L2M OMRON

Laser displacement sensor, 300 +/- 150 mm, NPN, 2m cable, Las..

Brand: OMRON | Manufacturer Part Number: ZX1-LD300A81L 2M



Manufacturer	OMRON
MPN / Reference	ZX1-LD300A81L 2M
Catalog number	ZX1LD300A81L2M
Category	Optical distance sensor
Minimum order	1 Pcs
Document ID	EO-5725C873E9
Generated	2026-08-04

Product Overview

Laser displacement sensor, 300 +/- 150 mm, NPN, 2m cable, Laser class 1

STRUCTURED PRODUCT DATA

Technical Specifications

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

Classification & Catalog Path

Catalog path OMRON > Advanced sensors > ZX

Additional Product Information

Reference distance300 mmMeasuring range length150-450 mmGeometrical resolution0.03 mmOutput typePNPConnection methodCableSpot size0.52 mmHeight of sensor66 mmWidth of sensor27.2 mmOverall length of sensor52 mmCable length2 m

ETIM for 668925 Sensors (EC001825)

Feature Name

Feature Value

Explosion safety category for dust (EF003998)

None

Voltage type (EF000187)

DC

Construction type housing (EF004008)

Cuboid

Laser protection class (EF004027)

Class 1
Degree of protection (NEMA) (EF011959)
Other
Degree of protection (IP) (EF005474)
IP67
Standard for interfaces (EF004017)
Analogue
Setting procedure (EF003994)
Teach-In
Scanning principle (EF003935)
Reflection system
Type of analogy output (EF003958)
4 mA ... 20 mA
Material of optical surface (EF004134)
Glass
Sensing mode (EF007503)
Light switching
Type of switch function (EF003963)
Programmable/configurable
Type of electric connection (EF003961)
Cable
Housing material (EF001596)
Plastic
Type of light (EF004029)
Laser diode, red light
Material of cable sheath (EF004136)
Polyvinyl chloride (PVC)
Type of switching output (EF003962)
PNP
Operation agent-safety class (EF003982)
Safety class 3
Explosion safety category for gas (EF003997)
None
Measuring principle for optical distance measurement (EF004060)
Triangulation
With time function (EF003582)
Yes
Pre failure notice (EF004129)
No
AWG-number (EF007010)
26
Relative linearity deflection (EF004034)
0.5 %
Signalling interval (EF003964)
500 Hz
Light dot (EF004030)
0.21 mm²

Width sensor (EF...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / ZX1-LD300A81L 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.