

INDUSTRIAL COMPONENT DATA

ZX1-LD100A81 5M ZX 1164A ZX1LD100A815M OMRON Laser Sensor ZX1 100±35mm 7micras PNP Cable 5m

Brand: OMRON | Manufacturer Part Number: ZX1-LD100A81 5M



Manufacturer	OMRON
MPN / Reference	ZX1-LD100A81 5M
Catalog number	ZX1LD100A815M
Category	Optical distance sensor
Minimum order	1 Pcs
Document ID	EO-A119716A41
Generated	2026-08-05

Product Overview

Laser Sensor ZX1 100±35mm 7micras PNP Cable 5m
Laser displacement sensor, 100 +/- 35 mm, PNP, 5m 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 > Advanced sensors > ZX
--------------	-------------------------------

Additional Product Information

Reference distance100 mmMeasuring range length65-135 mmGeometrical resolution0.007 mmOutput typePNPConnection methodCableSpot size0.33 mmHeight of sensor52.5 mmWidth of sensor24.1 mmOverall length of sensor49 mmCable length5 m

ETIM for 358743 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 2

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)
0.3 %
Signalling interval (EF003964)
500 Hz
Light dot (EF004030)
0.09 mm²
Width sensor (...)

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / ZX1-LD100A81 5M 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.