

## INDUSTRIAL COMPONENT DATA

# ZX1-LD300A81 5M ZX 1166H ZX1LD300A815M OMRON Laser Sensor ZX1 300±150mm 30micras PNP Cable 5m

Brand: OMRON | Manufacturer Part Number: ZX1-LD300A81 5M



|                 |                         |
|-----------------|-------------------------|
| Manufacturer    | OMRON                   |
| MPN / Reference | ZX1-LD300A81 5M         |
| Catalog number  | ZX1LD300A815M           |
| Category        | Optical distance sensor |
| Minimum order   | 1 Pcs                   |
| Document ID     | EO-502B111764           |
| Generated       | 2026-08-05              |

## Product Overview

Laser Sensor ZX1 300±150mm 30micras PNP Cable 5m  
Laser displacement sensor, 300 +/- 150 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 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 length5 m

ETIM for 358745 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)  
0.5 %  
Signalling interval (EF003964)  
500 Hz  
Light dot (EF004030)  
0.21 mm<sup>2</sup>  
Width sensor (EF...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / ZX1-LD300A81 5M with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

### GLOBAL OFFICES

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