

## INDUSTRIAL COMPONENT DATA

# ZX2-LD100 0,5M ZX 0076C ZX2LD10005M OMRON Reflex laser ZX2 100±35mm 5micras Beam spot

Brand: OMRON | Manufacturer Part Number: ZX2-LD100 0,5M



|                 |                         |
|-----------------|-------------------------|
| Manufacturer    | OMRON                   |
| MPN / Reference | ZX2-LD100 0,5M          |
| Catalog number  | ZX2LD10005M             |
| Category        | Optical distance sensor |
| Minimum order   | 1 Pcs                   |
| Document ID     | EO-C940A69FEC           |
| Generated       | 2026-08-05              |

## Product Overview

Reflex laser ZX2 100±35mm 5micras Beam spot

Laser displacement sensor, CMOS type, sensor head, spot beam type, 100mm +/-35mm, 5µm resolution, 0.5m 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 &gt; Advanced sensors &gt; ZX

## Additional Product Information

ETIM for 351521 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)  
Other  
Scanning principle (EF003935)  
Reflection system  
Type of analogy output (EF003958)  
Other  
Material of optical surface (EF004134)  
Glass  
Sensing mode (EF007503)  
Light switching  
Type of switch function (EF003963)  
Other  
Type of electric connection (EF003961)  
Cable with connector  
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)  
Other  
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)  
No  
Pre failure notice (EF004129)  
No  
AWG-number (EF007010)  
28  
Relative linearity deflection (EF004034)  
0.1 %  
Signalling interval (EF003964)  
16600 Hz  
Light dot (EF004030)  
0.0095 mm<sup>2</sup>  
Width sensor (EF007094)  
22.6 mm  
Height of sensor (EF007283)  
47.5 mm

Geometrical resolution (EF004010)  
0.005 mm  
Max. output current (EF001315)  
50 mA  
Relative repeat accuracy (EF004100)  
0.0000011 %  
Length of sensor (EF007334)  
35.5 mm  
Switching frequency (...)

### REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / ZX2-LD100 0.5M 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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