

INDUSTRIAL COMPONENT DATA

ZX2-LD100L 0,5M ZX 0077A ZX2LD100L05M OMRON Reflex laser ZX2 100±35mm 5micras nonlinear Beam

Brand: OMRON | Manufacturer Part Number: ZX2-LD100L 0,5M



Manufacturer	OMRON
MPN / Reference	ZX2-LD100L 0,5M
Catalog number	ZX2LD100L05M
Category	Optical distance sensor
Minimum order	1 Pcs
Document ID	EO-3578B18FBE
Generated	2026-08-04

Product Overview

Reflex laser ZX2 100±35mm 5micras nonlinear Beam

Laser displacement sensor, CMOS type, sensor head, line 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 > Advanced sensors > ZX

Additional Product Information

ETIM for 351522 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)
0.05 %
Signalling interval (EF003964)
16600 Hz
Light dot (EF004030)
0.3 mm²
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 (EF...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / ZX2-LD100L 0,5M 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.