

INDUSTRIAL COMPONENT DATA

ZX-LD100 ZX 0004F ZXLD100 OMRON Reflex laser 100±40mm 16 micron Beam spot

Brand: OMRON | Manufacturer Part Number: ZX-LD100



Manufacturer	OMRON
MPN / Reference	ZX-LD100
Catalog number	ZXLD100
Category	Optical distance sensor
Minimum order	1 Pcs
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Product Overview

Reflex laser 100±40mm 16 micron Beam spot

Laser displacement sensor head, 100+/-40mm, spot focus (requires amplifier)

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 mmRelative linearity deflection0.2 %Measuring range length60-140 mmRepeat accuracy16 µmSpot size0.1 mmSensing methodDiffuse reflectiveMaterial housingPBTDegree of protection (IP)IP50

ETIM for 154718 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)
IP50
Standard for interfaces (EF004017)
Analogue
Setting procedure (EF003994)
Teach-In
Scanning principle (EF003935)
Reflection system
Type of analogy output (EF003958)
Other
Material of optical surface (EF004134)
Glass
Sensing mode (EF007503)
Light-/dark 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)
0.2 %
Signalling interval (EF003964)
6600 Hz
Light dot (EF004030)
0.008 mm²
Width sensor (EF007094)
17 mm

Height of s...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / ZX-LD100 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

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