

E3Z-LL61 2M

Industrial automation components

Manufacturer	Omron
Catalog number	e3z-ll61-2m
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Display Name	E3Z-LL61 2M
Description	Photoelectric sensor, rectangular housing, red laser class 1, background suppression, 300 mm, NPN, Light-ON/Dark-ON, 2 m cable
ETIM Class	EC002719
EAN	4547648678735.0
Group	GD
Fam	GDI
Country of Origin	CHN
Tariff Code	8541490000.0
OC Code	E3Z 7409A
Second Item Number	E3ZLL612MOMS
Category	Czujnik Fotoelektryczny - E3Z
Stat Fam	BAAB
Stat Fam description	E3Z
Publication sort	4AAD1
Primary Package Length	114
Primary Package Width	103
Primary Package Depth	35
Dimensions	114mm x 103mm x 35mm
Primary Package Weight	70 g

Description

The Omron E3Z-LL61 2M is a compact laser photoelectric sensor designed for precise distance measurement and object detection in industrial automation applications. Featuring a built-in amplifier, this sensor offers a sensing range from 20 to 300 mm, making it suitable for tasks requiring accurate proximity sensing. The sensor utilizes a red laser diode (655 nm) as its light source, classified as Class 1 according to IEC, FDA, and JIS standards, ensuring safe operation. It operates with an NPN open collector output, providing a maximum voltage of 26.4 VDC and a current capacity up to 100 mA. The response time is exceptionally fast, with both operate and reset times capped at 1 ms, facilitating rapid detection and response. The sensor is housed in a durable polybutylene terephthalate (PBT) casing, offering protection against environmental factors with an IP67 rating. It is pre-wired with a 2-meter cable, simplifying installation and setup. This sensor is ideal for applications requiring precise distance measurement and object detection, such as material handling, packaging, and assembly processes.