

INDUSTRIAL COMPONENT DATA

E2E-X10MB3D12-M1 E2EN1187A 688591 OMRON Proximity sensor, inductive, nickel-brass, short body, M12, unshield..

Brand: OMRON | Manufacturer Part Number: E2E-X10MB3D12-M1



Manufacturer	OMRON
MPN / Reference	E2E-X10MB3D12-M1
Catalog number	E2EX10MB3D12M1OMS
Category	Inductive proximity switch
Minimum order	1 Pcs
Document ID	EO-F524ADEC7A
Generated	2026-08-04

Product Overview

Proximity sensor, inductive, nickel-brass, short body, M12, unshielded, 10 mm, DC, 3-wire, PNP NO+NC, IO-Link COM2, M12 connector

STRUCTURED PRODUCT DATA

Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

Classification & Catalog Path

Catalog path OMRON > Proximity Sensors > New E2E

Additional Product Information

Specifications

Size M12

Mounting type Non-flush

Sensing distance 10 mm

Overall length 48 mm

Thread length 26 mm

Material housing Brass, nickel plated

Output type IO-Link, PNP

Operation mode NO + NC

Connection method Connector M12

Cable specifications -

IO-Link function

IO-Link baud rate COM2 (38.4 kbps)

ETIM for 688591 Sensors (EC002714)

Feature Name
Feature Value
Explosion safety category for dust (EF003998)
None
Voltage type (EF000187)
DC
Construction type housing (EF004008)
Cylinder, screw-thread
Degree of protection (NEMA) (EF011959)
Other
Coating housing (EF001601)
Nickel-plated
Mechanical mounting condition for sensor (EF004041)
Not flat
Performance level according to EN ISO 13849-1 (EF007399)
None
Type of interface for safety communication (EF003956)
None
Type of actuation (EF006949)
Metallic Target
Type of switch function (EF003963)
Anticoincidence
Type of electric connection (EF003961)
Connector M12
Type of interface (EF006977)
Other
SIL according to IEC 61508 (EF009889)
None
Housing material (EF001596)
Metal
Type of switching output (EF003962)
PNP
Explosion safety category for gas (EF003997)
None
Cascadable (EF000507)
Yes
With monitoring function downstream switching devices (EF004052)
No
Compression-resistant (EF007106)
No
Suitable for safety functions (EF001597)
No
Number of protected contact energized outputs (EF003952)
0
Number of semiconductor outputs with signalling function (EF003945)
2
Number of protected semiconductor outputs (EF003951)

0

Diameter sensor (...)

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / E2E-X10MB3D12-M1 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.