

INDUSTRIAL COMPONENT DATA

E2E-X8MC312-M1 E2EN0731R 696116 OMRON Proximity sensor, inductive, nickel-brass, short body, M12, unshielded..

Brand: OMRON | Manufacturer Part Number: E2E-X8MC312-M1



Manufacturer	OMRON
MPN / Reference	E2E-X8MC312-M1
Catalog number	E2EX8MC312M1OMS
Category	Inductive proximity switch
Minimum order	1 Pcs
Document ID	EO-AEE1A90BA4
Generated	2026-08-02

Product Overview

Proximity sensor, inductive, nickel-brass, short body, M12, unshielded, 8 mm, DC, 3-wire, NPN NO+NC, 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 8 mm

Overall length 48 mm

Thread length 19 mm

Material housing Brass, nickel plated

Output type NPN

Operation mode NO + NC

Connection method Connector M12

Cable specifications -

IO-Link function

Degree of protection (IP) IP67/IP69K

ETIM for 696116 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)

None

SIL according to IEC 61508 (EF009889)

None

Housing material (EF001596)

Metal

Type of switching output (EF003962)

NPN

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 (EF007111)...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / E2E-X8MC312-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.