

INDUSTRIAL COMPONENT DATA

E2E-X16MB1T12-M1 E2EN1007G 687516 OMRON Proximity Sensor, Inductive, Nickel-Brass, Short Body, M12, Unshield..

Brand: OMRON | Manufacturer Part Number: E2E-X16MB1T12-M1



Manufacturer	OMRON
MPN / Reference	E2E-X16MB1T12-M1
Catalog number	E2EX16MB1T12M1OMS
Category	Inductive proximity switch
Minimum order	1 Pcs
Document ID	EO-ABBBEA352A
Generated	2026-08-01

Product Overview

Proximity sensor, inductive, nickel-brass, short body, M12, unshielded, 16 mm, DC, 3-wire, PNP NO, IO-Link COM3, 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 16 mm

Overall length 48 mm

Thread length 26 mm

Material housing Brass, nickel plated

Output type IO-Link, PNP

Operation mode NO

Connection method Connector M12

Cable specifications -

IO-Link function

IO-Link baud rate COM3 (230.4 kbps)

Degree of protection (IP) IP67/IP69K

ETIM for 687516 Sensors (EC002714)

Feature Name

Feature Value

Degree of protection (NEMA) (EF011959)

Other

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

SIL according to IEC 61508 (EF009889)

None

Housing material (EF001596)

Metal

Explosion safety category for gas (EF003997)

None

Explosion safety category for dust (EF003998)

None

Voltage type (EF000187)

DC

Construction type housing (EF004008)

Cylinder, screw-thread

Coating housing (EF001601)

Nickel-plated

Type of actuation (EF006949)

Metallic Target

Type of switch function (EF003963)

Normally open contact

Type of electric connection (EF003961)

Connector M12

Type of interface (EF006977)

Other

Type of switching output (EF003962)

PNP

Cascadable (EF000507)

Yes

With monitoring function downstream switching devices (EF004052)

No

Compression-resistant (EF007106)

No

Suitable for safety functions (EF001597)

No

Number of semiconductor outputs with signalling function (EF003945)

1

Switching frequency (EF003587)

400 Hz

Number of contact energized outputs with signalling fu...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / E2E-X16MB1T12-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.