

## INDUSTRIAL COMPONENT DATA

# E2E-X16MB1T12 2M E2EN0995H 688009 OMRON Proximity sensor, inductive, nickel-brass short body, M12, unshielde..

Brand: OMRON | Manufacturer Part Number: E2E-X16MB1T12 2M



|                 |                            |
|-----------------|----------------------------|
| Manufacturer    | OMRON                      |
| MPN / Reference | E2E-X16MB1T12 2M           |
| Catalog number  | E2EX16MB1T122MOMS          |
| Category        | Inductive proximity switch |
| Minimum order   | 1 Pcs                      |
| Document ID     | EO-00A2F8FB1A              |
| Generated       | 2026-08-03                 |

## Product Overview

Proximity sensor, inductive, nickel-brass, short body, M12, unshielded, 16 mm, DC, 3-wire, PNP NO, IO-Link COM3, 2 m cable

## 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 of sensor 47.1 mm

Thread length 26 mm

Material housing Brass, nickel plated

Output type IO-Link, PNP

Operation mode NO

Connection method Cable

Cable specifications PVC (oil-resistant)

Cable length 2 m

IO-Link function

IO-Link baud rate COM3 (230.4 kbps)

Degree of protection (IP) IP67/IP67G/IP69K  
ETIM for 688009 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)  
Normally open contact  
Type of electric connection (EF003961)  
Cable  
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...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / E2E-X16MB1T12 2M with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

### GLOBAL OFFICES

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