

**INDUSTRIAL COMPONENT DATA**

# E2E-X3B1TL8-M1 E2EN0421B 688080 OMRON Proximity sensor, inductive, brass long body, M8, shielded, 4 mm, DC, ..

Brand: OMRON | Manufacturer Part Number: E2E-X3B1TL8-M1



|                 |                            |
|-----------------|----------------------------|
| Manufacturer    | OMRON                      |
| MPN / Reference | E2E-X3B1TL8-M1             |
| Catalog number  | E2EX3B1TL8M1OMS            |
| Category        | Inductive proximity switch |
| Minimum order   | 1 Pcs                      |
| Document ID     | EO-E8847C77F9              |
| Generated       | 2026-08-01                 |

## Product Overview

Proximity sensor, inductive, long brass body M8, shielded, 3 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 &gt; Proximity Sensors &gt; New E2E

## Additional Product Information

**Specifications**

Size M8

Mounting type Quasi-flush

Sensing distance 3 mm

Overall length 53 mm

Thread length 35 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 688080 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)  
Quasi-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)  
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)  
1  
Number of protected semiconduct...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / E2E-X3B1TL8-M1 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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