

INDUSTRIAL COMPONENT DATA

NX-EC0112 NX020101H NXEC0112 OMRON Unit NX 1 Input of Encoder NPN Incremental

Brand: OMRON | Manufacturer Part Number: NX-EC0112



Manufacturer	OMRON
MPN / Reference	NX-EC0112
Catalog number	NXEC0112
Category	Fieldbus, decentr. periphery - function-/technology module
Minimum order	1 Pcs
Document ID	EO-445A0E015F
Generated	2026-07-29

Product Overview

Unit NX - 1 Input of Encoder NPN Incremental

1 x Incremental Encoder NPN Input, Phases A and B: Single-phase 500 kHz (phase difference pulse Input x4: 125 kHz), Phase Z: 125 kHz, screwless push-i

STRUCTURED PRODUCT DATA

Technical Specifications

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

Classification & Catalog Path

Catalog path OMRON > Integrated Automation > Machine I/O NX-series

Additional Product Information

I/O systemNX I/O BusType of moduleEncoder inputDigital input typeIncremental encoder, NPNDigital output typeNoneSignal processingFree running, Synchronous, Task period prioritizedNumber of encoder input channels1Max. encoder input frequency500 kHzNumber of pulse output channels0Max. pulse output frequency0 kHzI/O connection typePush-inNumber of I/O connectors1Detachable I/O connectorSuitable for safety functionsSIL according to IEC 61508NoneNumber of IOV (V+) terminals4Number of IOG (V-) terminals4Degree of protection (IP)IP20Product Height (unpacked)106 mmProduct Width (unpacked)12 mmProduct Depth (unpacked)80 mmProduct Weight (unpacked)70 g ETIM for 393633 PLC's (EC001601)

Feature Name
Feature Value
Degree of protection (NEMA) (EF011959)
Other
Degree of protection (IP) (EF005474)
IP20

Performance level according to EN ISO 13849-1 (EF007399)

Level a

SIL according to IEC 61508 (EF009889)

None

Voltage type (supply voltage) (EF002991)

DC

Explosion safety category for gas (EF003997)

None

Explosion safety category for dust (EF003998)

None

Function block access control (EF007213)

No

Radio standard UMTS (EF008525)

No

Function block affirm push button (EF007214)

No

Suitable for counting (EF003248)

Yes

Supporting protocol for EtherCAT (EF017564)

Yes

Suitable for weighing (EF003249)

No

Appendant operation agent (Ex ib) (EF004142)

No

Suitable for SSI (EF003254)

No

Supporting protocol for other bus systems (EF003062)

Yes

Suitable for CNC (EF003256)

No

Supporting protocol....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / NX-EC0112 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.