

INDUSTRIAL COMPONENT DATA

NX-MD6121-6 NX020112C NXMD61216 OMRON 16 Digital Inputs + 16 Digital NPN Outputs, Standard speed, 24 VDC, 2 ..

Brand: OMRON | Manufacturer Part Number: NX-MD6121-6



Manufacturer	OMRON
MPN / Reference	NX-MD6121-6
Catalog number	NXMD61216
Category	Fieldbus, decentr. periphery - digital I/O module
Minimum order	1 Pcs
Document ID	EO-AAA3DD8B44
Generated	2026-08-04

Product Overview

16 Digital Inputs + 16 Digital NPN Outputs, Standard speed, 24 VDC, 2 x FCN24 connectors (not included), 30 mm wide

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 moduleDigital I/ONumber of digital inputs16Digital input typePNP/NPNPermitted voltage at input15-28.8 VOFF/ON delay0.02-0.4 msNumber of digital outputs16Digital output typeNPNPermitted voltage at output10.2-28.8 VOutput current0.5 AShort-circuit protected outputsConnection method1-wireSignal processingFree running, Standard speed, SynchronousIO-Link masterI/O connection typeFCN (plug not included)Number of I/O connectors2Detachable I/O connectorSuitable for safety functionsSIL according to IEC 61508NoneCommunication port(s)NoneNumber of IOV (V+) terminals2Number of IOG (V-) terminals2Number of COM terminals2Degree of protection (IP)IP20Product Height (unpacked)100 mmProduct Width (unpacked)30 mmProduct Depth (unpacked)72.5 mmProduct Weight (unpacked)150 g
ETIM for 646462 PLC's (EC001599)
Feature Name
Feature Value
Type of output voltage (EF008222)
DC
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

Type of voltage (input voltage) (EF003033)

DC

Type of digital output (EF003601)

Transistor

Type of electric connection (EF003961)

Flat plug-in connection

Radio standard UMTS (EF008525)

No

Supporting protocol for EtherCAT (EF017564)

Yes

Appendant operation agent (Ex ib) (EF004142)

No

Supporting protocol for other...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / NX-MD6121-6 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.