

INDUSTRIAL COMPONENT DATA

NJ101-1000 NX010043B NJ1011000 OMRON NJ101 Machine Controller, 2 Axes

Brand: OMRON | Manufacturer Part Number: NJ101-1000



Manufacturer	OMRON
MPN / Reference	NJ101-1000
Catalog number	NJ1011000
Category	PLC CPU-module
Minimum order	1 Pcs
Document ID	EO-1B1D86D952
Generated	2026-08-01

Product Overview

NJ101 Machine Controller, 2 Axes

Sysmac NJ1 CPU, 3MB memory, built-in EtherCAT (2 servo axes, in total 64 EtherCAT nodes) and EtherNet/IP

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 Controllers NJ5

Additional Product Information

Controller functionalityMotion control, Sequence controlMax. number of synchronous axes2Max. number of axes (incl. virtual)6Primary task cycle time1 msProgram memory3 MBVariables memory0.5 MBCommunication port(s)EtherCAT Master, EtherNet/IP, USBCommunication option(s)CAN, CompoNet Master, DeviceNet Master, DeviceNet Slave, EtherCAT Slave, MODBUS Master, MODBUS Slave, PROFIBUS DP Master, PROFIBUS DP Slave, PROFINET Master, Serial RS-232C, Serial RS-422, Serial RS-485Max. number of remote I/O nodes64I/O systemCJ I/O BusMax. number of expansion units40Product Weight (unpacked)627 g
ETIM for 413717 PLC's (EC000236)
Feature Name
Feature Value
Performance level according to EN ISO 13849-1 (EF007399)
Level a
Model (EF000010)
Modular
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 memory (EF002996)

FLASH

Radio standard UMTS (EF008525)

No

Supporting protocol for EtherCAT (EF017564)

Yes

Appendant operation agent (Ex ib) (EF004142)

No

Supporting protocol for other bus systems (EF003062)

Yes

Supporting protocol for SERCOS (EF006657)

No

IO link master (EF007298)

No

Rack-assembly possible (EF007018)

No

Supporting protocol for KNX (EF003055)

No

Supporting protocol for LON (EF003017)

No

Supporting protocol for SUCONET (EF003060)

No

Supporting protocol for IEC 60870 (EF016069)

No

Supporting protocol for EtherNet/IP (EF007521)

Yes

Supporting proto...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / NJ101-1000 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.