

INDUSTRIAL COMPONENT DATA

NJ301-1100 NX010007F NJ3011100 OMRON NJ301 Machine Controller 4 Axis

Brand: OMRON | Manufacturer Part Number: NJ301-1100



Manufacturer	OMRON
MPN / Reference	NJ301-1100
Catalog number	NJ3011100
Category	PLC CPU-module
Minimum order	1 Pcs
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Product Overview

NJ301 Machine Controller 4 Axis

Sysmac NJ3 CPU, 5 MB memory, built-in EtherCAT (4 servo axes, in total 192 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 axes4Max. number of axes (incl. virtual)15Primary task cycle time0.5 msProgram memory5 MBVariables memory2.5 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 nodes192I/O systemCJ I/O BusMax. number of expansion units40Product Height (unpacked)96 mmProduct Width (unpacked)90 mmProduct Depth (unpacked)150 mmProduct Weight (unpacked)530 g
ETIM for 363842 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 fo...

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Send OMRON / NJ301-1100 with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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