

INDUSTRIAL COMPONENT DATA

NJ501-4400 NX010010F NJ5014400 OMRON NJ501 Machine Controller + Robotics to 32 Axes

Brand: OMRON | Manufacturer Part Number: NJ501-4400



Manufacturer	OMRON
MPN / Reference	NJ501-4400
Catalog number	NJ5014400
Category	PLC CPU-module
Minimum order	1 Pcs
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Product Overview

NJ501 Machine Controller + Robotics to 32 Axes

Sysmac NJ5 CPU with Robot kinematics, (max 8 robots), 20MB memory, built-in EtherCAT (32 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, Robotics, Sequence controlMax. number of synchronous axes32Max. number of axes (incl. virtual)32Max. number of robots8Primary task cycle time0.5 msProgram memory20 MBVariables memory6 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 368568 PLC's (EC000236)

Feature Name

Feature Value

Model (EF000010)

Modular

Voltage type (supply voltage) (EF002991)

AC/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)....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / NJ501-4400 with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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