

INDUSTRIAL COMPONENT DATA

NX-SL5500 NXS30011M NXSL5500 OMRON Safety controller, IPC-S and EtherCAT, 128 connections master security, u..

Brand: OMRON | Manufacturer Part Number: NX-SL5500



Manufacturer	OMRON
MPN / Reference	NX-SL5500
Catalog number	NXSL5500
Category	PLC CPU-module
Minimum order	1 Pcs
Document ID	EO-8F77FD7596
Generated	2026-08-03

Product Overview

Safety controller, IPC-S and EtherCAT, 128 connections master security, up to 1024 safety I/O, 2 MB of memory capacity, compatible with backup/restore to/from SD card

Safety controller, CIP-S and EtherCAT, 128 safety master connections, up to 1024 safety I/O, 2 MB memory capacity, SD Backup/Restore supported

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 > NX-safety

Additional Product Information

I/O systemNX I/O BusType of moduleSafety controlNumber of digital inputs0Number of digital outputs0Number of analog inputs0Number of analog outputs0Signal processingSynchronousIO-Link masterSuitable for safety functionsSIL according to IEC 615083Communication port(s)NoneMemory size2048 kByteProduct Height (unpacked)100 mmProduct Width (unpacked)30 mmProduct Depth (unpacked)71 mmProduct Weight (unpacked)130 g

ETIM for 684733 PLC's (EC000236)

Feature Name

Feature Value

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

Level e

Model (EF000010)

Modular

SIL according to IEC 61508 (EF009889)

3

Voltage type (supply voltage) (EF002991)

DC

Explosion safety category for gas (EF003997)

None

Explosion safety category for dust (EF003998)

None

Type of memory (EF002996)

EEPROM

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)

Yes

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 protocol for DNP3 (EF016068)

No

Radio standard GSM (EF008524)

No

Supporting protocol for INTERBUS (EF003054)

No

Supporting protocol for Data-Highway (EF003058)

No

Supporting protoc...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / NX-SL5500 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.