



NX-EC0142

1 x Incremental Encoder Line driver Input, phases A and B: single-phase 4 MHz (phase difference pulse Input x4: 1 MHz),
Phase Z: 1 MHz, PNP, screwless push-in connectors, 24 mm wide

Specifications

I/O system	NX I/O Bus
Type of module	Encoder input
Digital input type	Incremental encoder, Line driver (RS-422), PNP
Digital output type	None
Signal processing	Free running, Synchronous, Task period prioritized
Number of encoder input channels	1
Max. encoder input frequency	4000 kHz
Number of pulse output channels	0
Max. pulse output frequency	0 kHz
IO-Link master	✗
I/O connection type	Push-in
Number of I/O connectors	2
Detachable I/O terminal block	✓
Suitable for safety functions	✗
SIL according to IEC 61508	None
Number of IOV (V+) terminals	3
Number of IOG (V-) terminals	3
Degree of protection (IP)	IP20
Product Height (unpacked)	100 mm
Product Width (unpacked)	24 mm
Product Depth (unpacked)	80 mm
Product Weight (unpacked)	147 g

Accessories



NX-AUX02

Terminal block coding pins for 10x NX I/O units (terminal block: 30 pins, unit: 30 pins)

Spare parts



NX-TBA122

Replacement screwless push-in connector with 12 wiring terminals (marked A+B)



NX-TBB122

Replacement screwless push-in connector with 12 wiring terminals (marked C+D)

CAD Library



IO-Link Series Brochure

EN PDF 7.95 MB



Machine Safety Solution Brochure

EN PDF 2.86 MB



NX-CT High-speed Counter Unit Brochure

EN PDF 863 KB



NX-HAD Brochure

EN PDF 1.22 MB



NX-HTC/NX-TC/EJ1/E5DC-B Temperature control units Flyer

EN PDF 3.28 MB



NX-series Reference Manual

EN PDF 1.45 MB



NX-series I/O system Brochure

EN PDF 8.63 MB



NX-series Position Interface Unit Datasheet

EN PDF 6.82 MB



NX-series Position Interface Units Users Manual

EN PDF 18.4 MB



Omron NX-ECC20x EtherCAT ESI file

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Sysmac Catalogue

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Sysmac: A Fully Integrated Platform Brochure

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