



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 connector	✔
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



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IO-Link Series Brochure

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Machine Safety Solution Brochure

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NX-HAD Brochure

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NX-series Position Interface Unit Datasheet

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NX-series Position Interface Units Users Manual

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Omron NX-ECC20x EtherCAT ESI file

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PLC I/O Interface Wiring System Selection Connection Guide

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