



NX-TS3101

4 Thermocouple Inputs, type K, J, T, E, L, U, N, R, S, B, C (W/Re5-26), P (PLII), resolution 0.1°C, 250 ms/Unit, screwless push-in connectors, 24 mm wide

Specifications

I/O system	NX I/O Bus
Type of module	Analog I/O
Number of analog inputs	4
Temperature input type	B, C (WRe5-26), E, J, K, L, N, P (PLII), R, S, T, U
Linear analog input type	None
Resolution of the analog inputs	14 Bit
Input circuit type	Differential
Number of analog outputs	0
Linear analog output type	None
Resolution of the analog outputs	0 Bit
Conversion time	250 ms/unit
Signal processing	Free running
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
Degree of protection (IP)	IP20
Product Height (unpacked)	100 mm
Product Width (unpacked)	24 mm
Product Depth (unpacked)	80 mm
Product Weight (unpacked)	140 g

Accessories



NX-AUX02

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



NX-HB3201

Heater Burnout Detection Unit, 4 CT inputs, 4 PNP Outputs, screwless push-in connector, 12 mm wide

Spare parts



NX-TBA162

Replacement screwless push-in connector with 16 wiring terminals (marked A+B)



NX-TBB162

Replacement screwless push-in connector with 16 wiring terminals (marked C+D)

CAD Library



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EN PDF 221 KB



IO-Link Series Brochure

EN PDF 7.5 MB



Machine Safety Solution Brochure

EN PDF 2.86 MB



NX-HAD Brochure

EN PDF 1.22 MB



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

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NX-series Reference Manual

EN PDF 1.45 MB



NX-series I/O system Brochure

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NX-series Temperature Input Unit / Heater Burnout Detection Unit - NX-TS/HB Datasheet

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NX-series Temperature Input and Heater Burnout Detection Units Users Manual

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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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