

INDUSTRIAL COMPONENT DATA

NX-TC2407 NXTC1002M NXTC2407 OMRON 2 loops, input Pt100/thermocouple, 4 digital outputs PNP 24 Vdc, 21 mA/po..

Brand: OMRON | Manufacturer Part Number: NX-TC2407



Manufacturer	OMRON
MPN / Reference	NX-TC2407
Catalog number	NXTC2407
Category	Fieldbus, decentr. periphery - analogue/digital I/O module
Minimum order	1 Pcs
Document ID	EO-716C0D503F
Generated	2026-08-04

Product Overview

2 loops, input Pt100/thermocouple, 4 digital outputs PNP 24 Vdc, 21 mA/point, control of heat and cold, terminals, Push-in Plus

2 loops, Thermocouple/Pt100 input, PNP 4 Digital Outputs 24 VDC, 21mA/point, Heat and Cool control, Push-in Plus terminals

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 I/O NX-series
--------------	---

Additional Product Information

Specifications

I/O system NX I/O Bus

Type of module Temperature control

Number of digital inputs 0

Digital input type None

Number of digital outputs 4

Digital output type PNP, PWM

Number of analog inputs 2

Temperature input type B, C (WRe5-26), E, J, JPt100, K, L, N, P (PLII), Pt100, R, S, T, U

Linear analog input type None

Input circuit type Isolated

Number of analog outputs 0

Linear analog output type None

Conversion time 50 ms/unit

Signal processing Free running

Control function Heat and cool

Heater burnout detection

IO link master

I/O connection type Push-in

Number of I/O connectors 1

Detachable I/O connector

SIL according to IEC 61508 None

Degree of protection (IP) IP20

Height 100 mm

Width 12 mm

Depth 71 mm

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

ETIM for 680542 PLC's (EC001597)

Feature Name

Feature Value

Type of output voltage (EF008222)

DC

Degree of protection (IP) (EF005474)

IP20

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

Level a

SIL according to IEC 61508 (EF009889)

None

Voltage type (supply voltage) (EF002991)

DC

Explosion safety category for gas (EF003997)

None

Explosion safety category for dust (EF003998)

None

Type of voltage (input voltage) (EF003033)

DC

Type of digital output (EF003601)

Transistor

Type of electric connection (EF003961)

Spring clamp connection

Radio standa...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / NX-TC2407 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.