

Triconex 3504E Manual

Brand	Triconex
Product Series	Triconex
Product Type	High Density Digital Input Module

Description

3504E | Triconex | High Density Digital Input Module

Manufacturer : Triconex

Product No. : 3504E

Product type : High Density Digital Input Module

Type : TMR

Voltage : 24 or 48 VDC

Points : 64, commoned, DC coupled

DC Range : 20-72 VDC

Maximum Voltage : 72 VDC

Typical Hysteresis : 4 VDC 4 VDC/7 VDC

Stuck Test : ON and OFF

Color Code : Dark Red

This table lists the specifications for Model 3504E, which is a high-density TMR Digital Input Module with an nominal input voltage of 24 or 48 VDC.

Table 34 3504E Digital Input Specifications

Feature Specification

Color code Dark red

Number of input points 64, commoned, DC-coupled

Input voltage range: 24 VDCa

a. Specified in TriStation 1131.

20–36 VDC

Input voltage range: 48 VDC1 40–72 VDC

Input over-range protection 115 VAC continuous, 150 VDC continuous

Switching level for 24 VDC: Off to On 15 VDC typical, 18 VDC worst-case, 4 VDC typical hysteresis

Switching level for 24 VDC: On to Off 8 VDC typical, 6 VDC worst-case, 4 VDC typical hysteresis

Switching level for 48 VDC: Off to On 27 VDC typical, 32 VDC worst-case, 7 VDC typical hysteresis

Switching level for 48 VDC: On to Off 14 VDC typical, 11 VDC worst-case, 7 VDC typical hysteresis

Input delay: Off to On < 10 ms

Input delay: On to Off < 10 ms

Status indicator: On or Off state 1 per point

Status indicator: Module status Pass, Fault, Active

Input impedance

Once every 100 ms

Not required

Diagnostic glitch duration 1 ms every 2–3 seconds

Output voltage 0 VDC or 5 VDC typical

Output impedance 100 kΩ typical

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