

Network Instrumentation Module Digital Input Module NX-DX1/DX2

Network Instrumentation Modules make optimal distributed configuration a reality.

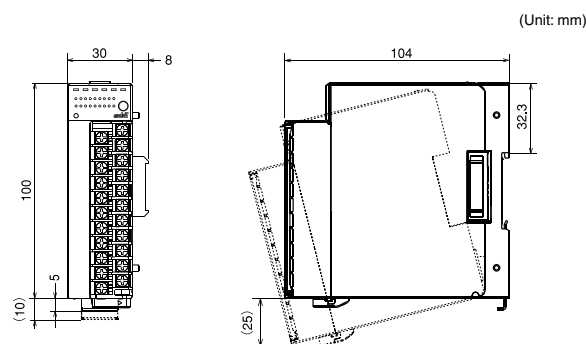
The Digital Input Module allows up to 16 inputs. The DX2 also supports pulse input.



Specifications

Digital input	Number of inputs	16
	Pulse input frequency	DX2: 5 kHz (max.) channels 1-8 DX2: 100 Hz (max.) channels 9-16
	Common terminal	2 common terminals for every 8 inputs
	Isolation between channels	Groups of channels 1-8, 9-16
	Rated input voltage	24 Vdc
	Rated input current (at 24 Vdc)	DX1: channels 1-16, approx. 4.5 mA DX2: channels 1-8, approx. 6.4 mA channels 9-16, approx. 4.5 mA
	Input impedance	DX1: channels 1-16, approx. 4.7 kΩ DX2: channels 1-8, approx. 3.3 kΩ channels 9-16, approx. 4.7 kΩ
	Input type	Shared by + common and - common
	Compatible output type	Dry contact or transistor
	Event output (for DX2 only)	Number of outputs
Isolation		Yes
Output type		PhotoMOS relay output (non-voltage type A contact)
Rated contact voltage		12-24 Vdc
Allowable output current	100 mA max.	
Communication specifications (Ethernet)	Protocol	MODBUS/TCP, CPL/TCP
Communication specifications (RS-485)	Protocol	MODBUS(RTU/ASCII), CPL
	Signal level	RS-485-compliant
	Communication/synchronization type	Half-duplex, start/stop synchronization
	Maximum cable length	500 m
	Terminal resistor	External (150 Ω, 0.5 W min.)
	Transmission speed	115,200 bps max.
General specifications	Rated supply voltage	24 Vdc
	Power consumption	4 W max. (under operating conditions)
	Weight	200 g max.
	Mounting method	DIN rail

External dimensions



Model No. configuration

Ex.: NX-DX1NT1600

Basic model No.	Type	Ring connection	Wiring method	Channels	Option	Addition	Description
NX-	DX1						Network Instrumentation Module
	DX2						Digital input (shared by + common and - common)
		N					Pulse input (shared by + common and - common) *
		R					Non-ring connection
			T				Ring connection
			S				Screw terminal block
				16			Screwless terminal block
					0		16 channels
						0	None
						D	None
						T	Inspection certificate
						K	Tropicalization treatment
						B	Anti-sulfide treatment
						L	Tropicalization treatment + inspection certificate
							Anti-sulfide treatment + inspection certificate

*. Channels 1-8 : 5 kHz. Channels 9-16 : 100 Hz.

Optional parts (sold separately)

Engineering tool

Name	Model No.
Smart Loader Package (with dedicated cable)	SLP-NX-J70
Smart Loader Package (without dedicated cable)	SLP-NX-J71

Parts

Name	Model No.
Side connector cover (for female connector, including 10 pieces)	80700225-010
Side connector cover (for male connector, including 10 pieces)	80700224-010