NX-series Digital Input Unit

CSM_NX-ID_IA_DS_E_4_1

A Wide Range of Digital Input Units from General Purpose use to High-Speed Synchronous Control

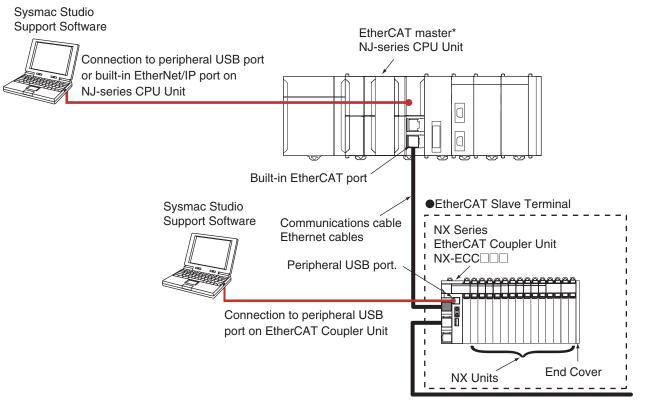
- Digital Input Units for the NX-series modular I/O system.
- Connect to other NX-series I/O Units and EtherCAT Coupler units using the high-speed NX-bus.
- Synchronous Units update the status of input devices to the controller every EtherCAT cycle.



Features

- High-speed I/O refreshing is possible by connecting with the NX-series EtherCAT Coupler.
- I/O refreshing can be synchronized with the control cycle of the Controller. (Synchronous refreshing)
- ON/OFF response time of the high-speed model is 100 ns max, which enables high-speed, high-precision control.
- The screwless terminal block is detachable for easy commissioning and maintenance.
- Screwless clamp terminal block and Connector types are significantly reduces wiring work.
- Up to 16 digital inputs in a space-saving 12 mm width. (Connector Types 30 mm width)
- The lineup includes 4-point, 8-point, 16-point, and 32-point types with 3-wire, 2-wire and 1-wire connection methods.
- With input refreshing with input changed time, the Input Unit records the time when the input is changed and the changed time with the input value is read into the Controller.
- Using with the Unit that supports output refreshing with specified time stamp enables high-precision I/O control independent of the control cycle of the Controller.

System Configuration



* OMRON CJ1W-NC 81/ 82 Position Control Units cannot be connected to the EtherCAT Slave Terminal even though they support EtherCAT.

Sysmac[®] is a trademark or registered trademark of OMRON Corporation in Japan and other countries for OMRON factory automation products. EtherCAT[®] is a registered trademark of Beckhoff Automation GmbH for their patented technology. Other company names and product names in this document are the trademarks or registered trademarks of their respective companies.

Ordering Information

International Standards

- The standards are abbreviated as follows: U: UL, U1: UL (Class I Division 2 Products for Hazardous Locations), C: CSA, UC: cULus, UC1: cULus (Class I Division 2 Products for Hazardous Locations), CU: cUL, N: NK, L: Lloyd, CE: EC Directives, and KC: KC Registration.
- Contact your OMRON representative for further details and applicable conditions for these standards.

Digital Input Unit (Screwless Clamping Terminal Block, 12 mm Width)

| | Dreduct | | | Speci | fication | | Model | Standards |
|----------------------|-------------------|---------------------|------------------------|---------------------|--|---------------------------|---|---------------|
| Unit type | Product Name | Number of points | Internal I/O common | Rated input voltage | I/O refreshing method | ON/OFF response time | | |
| | | | | 12 to 24 VDC | Switching Synchronous I/O refreshing and Free-Run | 20 μs max./400 μs max. | NX-ID3317 | , |
| | | | NPN | | refreshing | 100 ns max./ | NX-ID3317 NX-ID3343 NX-ID3344 NX-ID3417 | - |
| NX Series Digital | DC Input Units | 4 pointo | | 24 VDC | Input refreshing with input changed time only* | 100 ns max. | | |
| | | 4 points | PNP | 12 to 24 VDC | Switching Synchronous I/O refreshing and Free-Run refreshing | 20 μs max./400 μs max. | NX-ID3417 | UC1, N, L, |
| Input Units | Ĩ. | | | | Input refreshing with input changed | 100 ns max./ | NX-ID3417 U NX-ID3443 | – CE, KC – |
| | | | | | time only* | 100 ns max. | NX-ID3444 | |
| | | | NPN | | | | NX-ID3317 NX-ID3343 NX-ID3344 NX-ID3417 NX-ID3443 | |
| | - | 8 points | PNP | 24 VDC | Switching Synchronous I/O | 20 µs max./400 | NX-ID4442 | 1 |
| | | | NPN | 1 | refreshing and Free-Run refreshing | μs max. | NX-ID5342 | |
| | | 16 points | PNP | | | | NX-ID5442 | 1 |

* To use input refreshing with input changed time, NJ CPU Unit with unit version 1.06 or later, EtherCAT Coupler Unit with unit version 1.1 or later, and Sysmac Studio version 1.07 or higher are required.

DC Input Units (MIL Connector, 30 mm Width)

| | Product | | | Specification | | | | |
|----------------------|---------|---------------------|------------------------|------------------------|---------------------------|-------------------------|-------------|----------------|
| Unit type | Name | Number of points | Internal I/O common | Rated input voltage | I/O refreshing method | ON/OFF response time | Model | Standards |
| NX Series Digital | | 16 points | For both | 24 VDC | Switching Synchronous I/O | 20 μs max./ | NX-ID5142-5 | UC1, CE, KC |
| | | 32 points | NPN/PNP | 24 VDC | refreshing and Free-Run | 400 μs max. | NX-ID6142-5 | |

Analog Input Unit (Screwless Clamping Terminal Block, 12 mm Width)

| | Product | | Specification | | | | |
|---------------------------------------|-------------------|---------------------|---|-----------------------|--------------------------|-----------|-------------------|
| Unit type | Name | Number of points | Rated input voltage | I/O refreshing method | ON/OFF response time | Model | Standards |
| | AC Input Units | | | | | | |
| NX Series Analog Input Units | 1 | 4 points | 200 to 240 VAC, 50/60 Hz (170 to 264 VAC, ±3 Hz) | Free-Run refreshing | 10 ms max./40 ms max. | NX-IA3317 | UC1, N, CE, KC |

Option

| Product Name | | Specification | | | | Standards | |
|---------------------------------|----------------------------------|--|-------------------------|---------------------------------|------------------------|-----------|--|
| Unit/Terminal Block Coding Pins | For 10 Units (Terminal Block: | For 10 Units (Terminal Block: 30 pins, Unit: 30 pins) | | | NX-AUX02 | | |
| | | Speci | fication | | | | |
| Product Name | No. of terminals | Terminal number indications | Ground terminal mark | Terminal current capacity | Model | Standards | |
| Terminal Block | 8 | A/B | None | 10 A | NX-TBA082 NX-TBA122 | | |
| | 16 | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | None | 1077 | NX-TBA162 | - | |

Accessories

Not included.

General Specification

| | Item | Specification | |
|-------------------------------|-----------------------------|---|--|
| Enclosure | | Mounted in a panel | |
| Grounding n | nethod | Ground to 100 Ω or less | |
| Ambient operating temperature | | 0 to 55°C | |
| | Ambient operating humidity | 10% to 95% (with no condensation or icing) | |
| | Atmosphere | Must be free from corrosive gases. | |
| | Ambient storage temperature | -25 to 70°C (with no condensation or icing) | |
| | Altitude | 2,000 m max. | |
| | Pollution degree | 2 or less: Conforms to JIS B3502 and IEC 61131-2. | |
| Operating environment | Noise immunity | 2 kV on power supply line (Conforms to IEC61000-4-4.) | |
| environment | Overvoltage category | Category II: Conforms to JIS B3502 and IEC 61131-2. | |
| | EMC immunity level | Zone B | |
| | Vibration resistance | Conforms to IEC 60068-2-6. 5 to 8.4 Hz with 3.5-mm amplitude, 8.4 to 150 Hz, acceleration of 9.8 m/s ² , 100 min each in X, Y, and Z directions (10 sweeps of 10 min each = 100 min total) | |
| | Shock resistance | Conforms to IEC 60068-2-27. 147 m/s ² , 3 times each in X, Y, and Z directions | |
| Applicable s | tandards | cULus: Listed UL508 and ANSI/ISA 12.12.01 EC: EN 61131-2 and C-Tick, KC: KC Registration, NK, LR | |

Digital Input Unit Specifications

• DC Input Unit (Screwless Clamping Terminal Block 12 mm, Width) NX-ID3317

| Unit name | DC Input Unit | Model | NX-ID3317 | | |
|--|--|--|--|--|--|
| Capacity | 4 points | External connection terminals | Screwless clamping terminal block (12 terminals) | | |
| I/O refreshing method | Selectable Synchronous I/O refreshing or F | - | | | |
| | TS indicator, input indicator | Internal I/O common | NPN | | |
| | ID3317 ■TS | Rated input voltage | 12 to 24 VDC (9 to 28.8 VDC) | | |
| | ■15 ■0 ■1 | Input current | 6 mA typical (at 24 VDC), rated current | | |
| In dia sta na | w 2 w 3 | ON voltage/ON current | 9 VDC min./3 mA min. (between IOV and each signal) | | |
| Indicators | | OFF voltage/OFF current | 2 VDC max./1 mA max. (between IOV and each signal) | | |
| | | ON/OFF response time | 20 μs max./400 μs max. | | |
| | | Input filter time | Without filter, 0.25 ms, 0.5 ms, 1 ms (factory setting), 2 ms, 4 ms, 8 ms, 16 ms, 32 ms, 64 ms, 128 ms, 256 ms | | |
| Dimensions | 12 (W) x 100 (H) x 71 (D) | Isolation method | Photocoupler isolation | | |
| Insulation resistance | 20 M Ω min. between isolated circuits (at 100 VDC) | Dielectric strength | 510 VAC between isolated circuits for 1 minute at a leakage current of 5 mA max. | | |
| I/O power supply method | Supply from the NX bus | Current capacity of I/O power supply terminal | IOV: 0.1 A/terminal max., IOG: 0.1 A/terminal max. | | |
| NX Unit power consumption | 0.50 W max. | Current consumption from I/O power supply | No consumption | | |
| Weight | 65 g max. | | | | |
| Circuit layout | Terminal block IN0 to IN3 IOG0 to 3 NX bus connector (left) I/O power supply + | Current control | I/O power supply + I/O power supply – NX bus connector (right) | | |
| Installation orientation and restrictions | Installation orientation: Possible in 6 orienta Restrictions: No restrictions | ations. | | | |
| Terminal connection diagram | Additional I/O Power Supply Unit A1 B1 OV IOV IOV IOV 24 VDC A8 B8 B8 | DC Input Unit NX-ID3317 Two- A1 IN0 IN1 IOV0 IOV1 IOG0 IOG1 IN2 IN3 IOV2 IOV3 IOG2 IOG3 A8 B8 | | | |
| Disconnection/ Short-circuit detection | Not supported. | Protective function | Not supported. | | |

| Unit name | DC Input Unit | Model | NX-ID3343 |
|--|---|--|--|
| Capacity | 4 points | External connection terminals | Screwless clamping terminal block (12 terminals) |
| I/O refreshing method | Selectable Synchronous I/O refreshing or I | Free-Run refreshing | |
| | TS indicator, input indicator | Internal I/O common | NPN |
| | ID3343 | Rated input voltage | 24 VDC (15 to 28.8 VDC) |
| | ■13 ■0 ■1 | Input current | 3.5 mA typical (at 24 VDC), rated current |
| Indicators | m2 m3 | ON voltage/ON current | 15 VDC min./3 mA min. (between IOV and each signal) |
| | _ | OFF voltage/OFF current | 5 VDC max./1 mA max. (between IOV and each signal) |
| | | ON/OFF response time | 100 ns max./100 ns max. |
| | | Input filter time | Without filter, 1 μ s, 2 μ s, 4 μ s, 8 μ s (factory setting), 16 μ s, 32 μ s, 64 μ s, 128 μ s, 256 μ s |
| Dimensions | 12 (W) x 100 (H) x 71 (D) | Isolation method | Digital isolator isolation |
| Insulation resistance | 20 M Ω min. between isolated circuits (at 100 VDC) | Dielectric strength | 510 VAC between isolated circuits for 1 minute at a leakage current of 5 mA max. |
| I/O power supply method | Supply from the NX bus | Current capacity of I/O power supply terminal | IOV: 0.1 A/terminal max., IOG: 0.1 A/terminal max. |
| NX Unit power consumption | 0.55 W max. | Current consumption from I/O power supply | 30 mA max. |
| Weight | 65 g max. | | |
| Circuit layout | Terminal block IN0 to IN3 | rrent control | I/O power supply + NX bus connector (right) |
| Installation orientation and restrictions | Restrictions: No restrictions | ations. | |
| Terminal connection diagram | Additional I/O Power Supply Unit A1 B1 A1 IOV IOV 24 VDC IOG IOG A8 B8 A8 | DC Input Unit NX-ID3343 IN0 IN1 • sensor IN0 IN1 • IOV0 IOV1 IOG0 IOG1 • IN2 IN3 • IOV2 IOV3 • IOG3 IOG3 • B8 | Three-wire sensor |
| Disconnection/ Short-circuit detection | Not supported. | Protective function | Not supported. |

| Unit name | DC Input Unit | Model | NX-ID3344 |
|--|---|--|--|
| Capacity | 4 points | External connection terminals | Screwless clamping terminal block (12 terminals) |
| I/O refreshing method | Input refreshing with input changed time | | |
| | TS indicator, input indicators | Internal I/O common | NPN |
| | ID3344 | Rated input voltage | 24 VDC (15 to 28.8 VDC) |
| | TS | Input current | 3.5 mA typical (at 24 VDC), rated current |
| Indicators | ■0 ■1 ■2 ■3 | ON voltage/ON current | 15 VDC min./3 mA min. (between IOV and each signal) |
| | | OFF voltage/OFF current | 5 VDC max./1 mA max. (between IOV and each signal) |
| | | ON/OFF response time | 100 ns max./100 ns max. |
| | | Input filter time | No filter |
| Dimensions | 12 (W) x 100 (H) x 71 (D) | Isolation method | Digital isolator isolation |
| Insulation resistance | 20 M Ω min. between isolated circuits (at 100 VDC) | Dielectric strength | 510 VAC between isolated circuits for 1 minute at a leakage current of 5 mA max. |
| I/O power supply method | Supply from the NX bus | Current capacity of I/O power supply terminal | IOV: 0.1 A/terminal max., IOG: 0.1 A/terminal max. |
| NX Unit power consumption | 0.55 W max. | Current consumption from I/O power supply | 30 mA max. |
| Weight | 65 g max. | | |
| Circuit layout | Terminal block IN0 to IN3 | rrent control | I/O power supply + NX bus connector (right) |
| Installation orientation and restrictions | Installation orientation: Possible in 6 orient Restrictions: No restrictions | ations. | |
| Terminal connection diagram | Additional I/O Power Supply Unit A1 B1 A I OG IOG 24 VDC IOV IOV IOV IOV IOV IOV IOV IOV IOG IOG A8 B8 A | DC Input Unit NX-ID3344 1 B1 Senso 1N0 IN1 • 1OV0 IOV1 1OG0 IOG1• IN2 IN3 • 1OV2 IOV3• IOG3 IOG3• 8 B8 | |
| Disconnection/ Short-circuit detection | Not supported. | Protective function | Not supported. |

| Unit name | DC Input Unit | Model | NX-ID3417 |
|--|--|--|--|
| Capacity | 4 points | External connection terminals | Screwless clamping terminal block (12 terminals) |
| I/O refreshing method | Selectable Synchronous I/O refreshing or I | • | |
| | TS indicator, input indicator | Internal I/O common | PNP |
| | ID3417 | Rated input voltage | 12 to 24 VDC (9 to 28.8 VDC) |
| | ■TS ■0 ■1 | Input current | 6 mA typical (at 24 VDC), rated current |
| | ■2 ■3 | ON voltage/ON current | 9 VDC min./3 mA min. (between IOG and each signal) |
| Indicators | | OFF voltage/OFF current | 2 VDC max./1 mA max. (between IOG and each signal) |
| | | ON/OFF response time | 20 μs max./400 μs max. |
| | | Input filter time | Without filter, 0.25 ms, 0.5 ms, 1 ms (factory setting), 2 ms, 4 ms, 8 ms, 16 ms, 32 ms, 64 ms, 128 ms, 256 ms |
| Dimensions | 12 (W) x 100 (H) x 71 (D) | Isolation method | Photocoupler isolation |
| Insulation resistance | 20 M Ω min. between isolated circuits (at 100 VDC) | Dielectric strength | 510 VAC between isolated circuits for 1 minute at a leakage current of 5 mA max. |
| I/O power supply method | Supply from the NX bus | Current capacity of I/O power supply terminal | IOV: 0.1 A/terminal max., IOG: 0.1 A/terminal max. |
| NX Unit power consumption | 0.50 W max. | Current consumption from I/O power supply | No consumption |
| Weight | 65 g max. | | |
| Circuit layout | Terminal block | iurrent control | 7 Sinou 1/O power supply + NX bus connector (right) |
| Installation orientation and restrictions | Installation orientation: Possible in 6 orient Restrictions: No restrictions | ations. | |
| Terminal connection diagram | Additional I/O Power Supply Unit A1 B1 00V IOV 24 VDC IOV IOV IOV IOV A8 B8 | DC Input Unit NX-ID3417 Two- A1 B1 Sen IN0 IN1 • IOV0 IOV1 • IOG0 IOG1 IN2 IN3 • IOV2 IOV3 • IOG2 IOG3 • A8 B8 | |
| Disconnection/ Short-circuit detection | Not supported. | Protective function | Not supported. |

| Unit name | DC Input Unit | Model | NX-ID3443 |
|--|--|---|--|
| Capacity | 4 points | External connection terminals | Screwless clamping terminal block (12 terminals) |
| I/O refreshing method | Selectable Synchronous I/O refreshing or F | ree-Run refreshing | |
| | TS indicator, input indicator | Internal I/O common | PNP |
| | ID3443 | Rated input voltage | 24 VDC (15 to 28.8 VDC) |
| | ■TS ■0 ■1 | Input current | 3.5 mA typical (at 24 VDC), rated current |
| Indicators | =2 =3 | ON voltage/ON current | 15 VDC min./3 mA min. (between IOG and each signal) |
| | | OFF voltage/OFF current | 5 VDC max./1 mA max. (between IOG and each signal) |
| | | ON/OFF response time | 100 ns max./100 ns max. |
| | | Input filter time | Without filter, 1 μs, 2 μs, 4 μs, 8 μs (factory setting),16 μs, 32 μs, 64 μs, 128 μs, 256 μs |
| Dimensions | 12 (W) x 100 (H) x 71 (D) | Isolation method | Digital isolator isolation |
| Insulation resistance | 20 $M\Omega$ min. between isolated circuits (at 100 VDC) | Dielectric strength | 510 VAC between isolated circuits for 1 minute at a leakage current of 5 mA max. |
| I/O power supply method | Supply from the NX bus | Current capacity of I/O power supply terminal | IOV: 0.1 A/terminal max., IOG: 0.1 A/terminal max. |
| NX Unit power consumption | 0.55 W max. | Current consumption from I/O power supply | 30 mA max. |
| Weight | 65 g max. | | |
| Circuit layout | Terminal block IN0 to IN3 | Current control circuit | I/O power supply + NX bus connector (right) |
| Installation orientation and restrictions | Installation orientation: Possible in 6 orienta Restrictions: No restrictions | ations. | |
| Terminal connection diagram | Additional I/O Power Supply Unit A1 | DC Input Unit NX-ID3443 B1 Two-wir sensol IN0 IN1 • IOV0 IOV1 • IOG0 IOG1 IN2 IN3 • IOV2 IOV3 • IOG2 IOG3 • 3 B8 | |
| Disconnection/ Short-circuit detection | Not supported. | Protective function | Not supported. |

| Unit name | DC Input Unit | Model | NX-ID3444 |
|--|--|--|---|
| Capacity | 4 points | External connection terminals | Screwless clamping terminal block (12 terminals) |
| /O refreshing method | Input refreshing with input changed time | | |
| | TS indicator, input indicators | Internal I/O common | PNP |
| | ID3444 | Rated input voltage | 24 VDC (15 to 28.8 VDC) |
| | ■TS | Input current | 3.5 mA typical (at 24 VDC), rated current |
| Indicators | ₩0 ₩1 ₩2 ₩3 | ON voltage/ON current | 15 VDC min./3 mA min. (between IOG and each signal) |
| | | OFF voltage/OFF current | 5 VDC max./1 mA max. (between IOG and each signal) |
| | | ON/OFF response time | 100 ns max./100 ns max. |
| | | Input filter time | No filter |
| Dimensions | 12 (W) x 100 (H) x 71 (D) | Isolation method | Digital isolator isolation |
| Insulation resistance | 20 M Ω min. between isolated circuits (at 100 VDC) | Dielectric strength | 510 VAC between isolated circuits for 1 minute at a leakage current of 5 mA max |
| I/O power supply method | Supply from the NX bus | Current capacity of I/O power supply terminal | IOV: 0.1 A/terminal max., IOG: 0.1 A/terminal max. |
| NX Unit power consumption | 0.55 W max. | Current consumption from I/O power supply | 30 mA max. |
| Weight | 65 g max. | | |
| Circuit layout | Terminal block IN0 to IN3 | Current control | I/O power supply + NX bus connecto (right) |
| Installation orientation and restrictions | Installation orientation: Possible in 6 orienta Restrictions: No restrictions | ations. | |
| Terminal connection diagram | Additional I/O Power Supply Unit A1 B1 A1 IOV IOV 24 VDC A8 B8 A8 | DC Input Unit NX-ID3444 B1 Two-wire sensor IN0 IN1 IOV0 IOV1 IOG0 IOG1 IN2 IN3 IOV2 IOV3 IOG2 IOG3 B8 | Three-wire sensor |
| Disconnection/ Short-circuit detection | Not supported. | Protective function | Not supported. |

| Unit name | DC Input Unit | Model | NX-ID4342 |
|--|--|---|---|
| Capacity | 8 points | External connection terminals | Screwless clamping terminal block (16 terminals) |
| I/O refreshing method | Selectable Synchronous I/O refreshing or I | Free-Run refreshing | |
| | TS indicator, input indicator | Internal I/O common | NPN |
| | ID4342 ■TS | Rated input voltage | 24 VDC (15 to 28.8 VDC) |
| | ■15 ■0 ■1 | Input current | 3.5 mA typical (at 24 VDC), rated current |
| Indicators | ■2 ■3 ■4 ■5 ■6 ■7 | ON voltage/ON current | 15 VDC min./3 mA min. (between IOG and each signal) |
| indicators | | OFF voltage/OFF current | 5 VDC max./1 mA max. (between IOG and each signal) |
| | | ON/OFF response time | 20 μs max./400 μs max. |
| | | Input filter time | Without filter, 0.25 ms, 0.5 ms, 1 ms (factory setting), 2 ms, 4 ms, 8 ms, 16 ms, 32 ms, 64 ms, 128 ms, 256 ms |
| Dimensions | 12 (W) x 100 (H) x 71 (D) | Isolation method | Photocoupler isolation |
| Insulation resistance | 20 M Ω min. between isolated circuits (at 100 VDC) | Dielectric strength | 510 VAC between isolated circuits for 1 minute at a leakage current of 5 mA max. |
| I/O power supply method | Supply from the NX bus | Current capacity of I/O power supply terminal | IOG: 0.1 A/terminal max. |
| NX Unit power consumption | 0.50 W max. | Current consumption from I/O power supply | No consumption |
| Weight | 65 g max. | | |
| Circuit layout | Terminal block IN0 to IN7 IOG0 to 7 NX bus connector (left) I/O power supply + | Current control | VI/O power supply + V/O power supply + V/O power supply - V/O power supply - V/O power supply - V/O power supply - |
| Installation orientation and restrictions | Installation orientation: Possible in 6 orient Restrictions: No restrictions | ations. | |
| Terminal connection diagram | Additional I/O | IOV IOV IV IOV INA II INA II INA II INA III INA III INA III | |
| Disconnection/ Short-circuit detection | Not supported. | Protective function | Not supported. |

| Unit name | DC Input Unit | Model | NX-ID4442 | | |
|--|---|---|--|--|--|
| Capacity | 8 points | External connection terminals | Screwless clamping terminal block (16 terminals) | | |
| I/O refreshing method | Selectable Synchronous I/O refreshing or Free-Run refreshing | | | | |
| | TS indicator, input indicator | Internal I/O common | PNP | | |
| | ID4442 | Rated input voltage | 24 VDC (15 to 28.8 VDC) | | |
| | ■TS ■0 ■1 | Input current | 3.5 mA typical (at 24 VDC), rated current | | |
| Indiantaus | ■2 ■3 ■4 ■5 ■6 ■7 | ON voltage/ON current | 15 VDC min./3 mA min. (between IOG and each signal) | | |
| Indicators | | OFF voltage/OFF current | 5 VDC max./1 mA max. (between IOG and each signal) | | |
| | | ON/OFF response time | 20 μs max./400 μs max. | | |
| | | Input filter time | Without filter, 0.25 ms, 0.5 ms, 1 ms (factory setting), 2 ms, 4 ms, 8 ms, 16 ms, 32 ms, 64 ms, 128 ms, 256 ms | | |
| Dimensions | 12 (W) x 100 (H) x 71 (D) | Isolation method | Photocoupler isolation | | |
| Insulation resistance | 20 M Ω min. between isolated circuits (at 100 VDC) | Dielectric strength | 510 VAC between isolated circuits for 1 minute at a leakage current of 5 mA max. | | |
| I/O power supply method | Supply from the NX bus | Current capacity of I/O power supply terminal | IOV: 0.1 A/terminal max. | | |
| NX Unit power consumption | 0.50 W max. | Current consumption from I/O power supply | No consumption | | |
| Weight | 65 g max. | | | | |
| Circuit layout | NX bus connector (left) I/O power supply + | | V I/O power supply + NX bus connector (right) | | |
| Installation orientation and restrictions | Installation orientation: Possible in 6 orient Restrictions: No restrictions | ations. | | | |
| Terminal connection diagram | Additional I/O | G IOG IN0 IIN4 IN0 IIN6 | | | |
| Disconnection/ Short-circuit detection | Not supported. | Protective function | Not supported. | | |

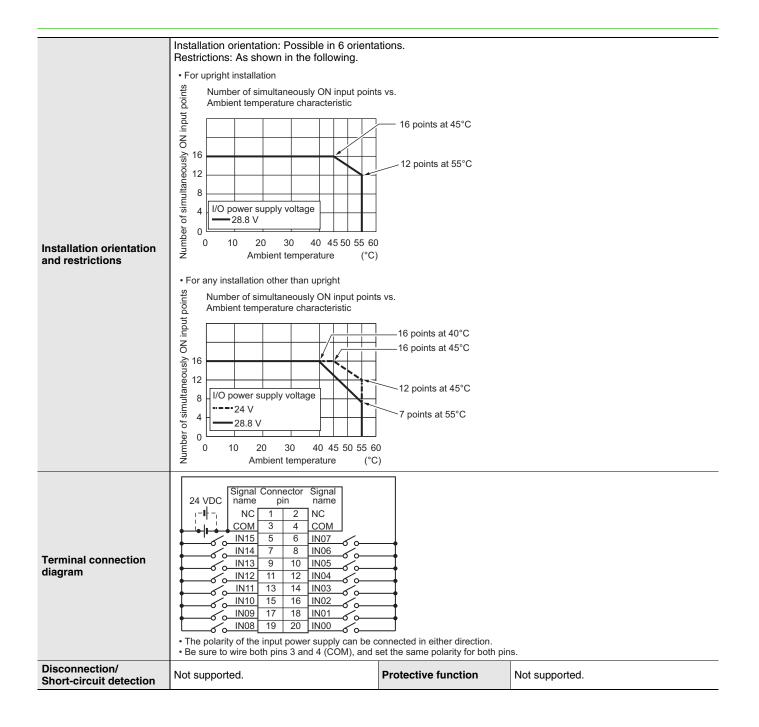
| Unit name | DC Input Unit | Model | NX-ID5342 |
|--|---|---|--|
| Capacity | 16 points | External connection terminals | Screwless clamping terminal block (16 terminals) |
| /O refreshing method | Selectable Synchronous I/O refreshing or I | | |
| | TS indicator, input indicator | Internal I/O common | NPN |
| | ID5342 | Rated input voltage | 24 VDC (15 to 28.8 VDC) |
| | ■TS ■0 ■1 ■2 ■3 | Input current | 2.5 mA typical (at 24 VDC), rated current |
| Indicators | #4 #5 #6 #7 #8 #9 #10 #11 #12 #13 #14 #15 | ON voltage/ON current | 15 VDC min./2 mA min. (between IOG and each signal) |
| indicators | | OFF voltage/OFF current | 5 VDC max./0.5 mA max. (between IOG and each signal) |
| | | ON/OFF response time | 20 μs max./400 μs max. |
| | | Input filter time | Without filter, 0.25 ms, 0.5 ms, 1 ms (factory setting), 2 ms, 4 ms, 8 ms, 16 ms, 32 ms, 64 ms, 128 ms, 256 ms |
| Dimensions | 12 (W) x 100 (H) x 71 (D) | Isolation method | Photocoupler isolation |
| Insulation resistance | $\frac{20\ \text{M}\Omega}{100\ \text{VDC}}$ min. between isolated circuits (at | Dielectric strength | 510 VAC between isolated circuits for 1 minute at a leakage current of 5 mA max. |
| I/O power supply method | Supply from the NX bus | Current capacity of I/O power supply terminal | Without I/O power supply terminals |
| NX Unit power consumption | 0.55 W max. | Current consumption from I/O power supply | No consumption |
| Weight | 65 g max. | | |
| Circuit layout | Terminal block IN0 to IN15 | Current control | V/O power supply + NX bus connector V/O power supply – V/O power supply – |
| Installation orientation and restrictions | Installation orientation: Possible in 6 orient Restrictions: No restrictions | ations. | |
| Terminal connection diagram | Additional I/O Power Supply Unit I/O Power S Connection A1 B1 IOV IOV IOO IOV IOO IOV IOO IOO IOO IOO IOV IOV IOO IOO IOV IOV IOV IOV IOV IOV IOO IOO IOO IOV IOO IOV IOO IOV IOO IOV | Unit Connection Unit B1A1 B1 A1 OV IOG IOG OV IOG IOG | DC Input Unit NX-ID5342 Two-wire sensor IN0 IN1 IN2 IN3 IN4 IN5 IN6 IN7 IN8 IN9 IN10 IN11 IN12 IN13 IN14 IN15 |
| Disconnection/ Short-circuit detection | Not supported. | Protective function | Not supported. |

| Unit name | DC Input Unit | Model | NX-ID5442 |
|--|--|---|--|
| | | External connection | Screwless clamping terminal block (16 |
| Capacity | 16 points | terminals | terminals) |
| I/O refreshing method | Selectable Synchronous I/O refreshing or I | 1 | |
| | TS indicator, input indicator | Internal I/O common | PNP |
| | ID5442 ■TS | Rated input voltage | 24 VDC (15 to 28.8 VDC) |
| | =0 =1 =2 =3 | Input current | 2.5 mA typical (at 24 VDC), rated current |
| Indiaatava | ■4 ■5 ■6 ■7 ■8 ■9 ■10■11 ■12 ■13 ■14■15 | ON voltage/ON current | 15 VDC min./2 mA min. (between IOG and each signal) |
| Indicators | | OFF voltage/OFF current | 5 VDC max./0.5 mA max. (between IOG and each signal) |
| | | ON/OFF response time | 20 μs max./400 μs max. |
| | | Input filter time | Without filter, 0.25 ms, 0.5 ms, 1 ms (factory setting), 2 ms, 4 ms, 8 ms, 16 ms, 32 ms, 64 ms, 128 ms, 256 ms |
| Dimensions | 12 (W) x 100 (H) x 71 (D) | Isolation method | Photocoupler isolation |
| Insulation resistance | $20 \text{ M}\Omega$ min. between isolated circuits (at 100 VDC) | Dielectric strength | 510 VAC between isolated circuits for 1 minute at a leakage current of 5 mA max. |
| I/O power supply method | Supply from the NX bus | Current capacity of I/O power supply terminal | Without I/O power supply terminals |
| NX Unit power consumption | 0.55 W max. | Current consumption from I/O power supply | No consumption |
| Weight | 65 g max. | | |
| Circuit layout | Terminal block IN0 to IN15 | I/O power supply + NX bus connector N/O power supply – | |
| Installation orientation and restrictions | Installation orientation: Possible in 6 orient Restrictions: No restrictions | ations. | |
| Terminal connection diagram | Additional I/O Power Supply Unit A1 A1 B1 B1 A1 B1 B1 A1 B1 B1 A1 B1 B1 A1 B1 B1 A1 B1 B1 A1 B1 B1 A1 B1 B1 B1 B1 B1 B1 B1 B1 B1 B | | |
| Disconnection/ Short-circuit detection | Not supported. | Protective function | Not supported. |

• DC Input Units (MIL Connector, 30 mm Width) NX-ID5142-5

| Unit name | DC Input Unit | Model | NX-ID5142-5 |
|----------------------------|--|---|---|
| Number of points | 16 points | External connection terminals | MIL connector (20 terminals) |
| I/O refreshing method | Switching Synchronous I/O refreshing and | Free-Run refreshing | |
| | TS indicator, input indicators | Internal I/O common | For both NPN/PNP |
| | ID5142-5 | Rated input voltage | 24 VDC (15 to 28.8 VDC) |
| | | Input current | 7 mA typical (at 24 VDC) |
| | ■0 ■1 ■2 ■3 ■4 ■5 ■6 ■7 ■8 ■9 ■10 ■11 ■12 ■13 ■14 ■15 | ON voltage/ON current | 15 VDC min./3 mA min. (between COM and each signal) |
| Indicators | | OFF voltage/OFF current | 5 VDC max./1 mA max. (between COM and each signal) |
| | | ON/OFF response time | 20 μs max./400 μs max. |
| | | Input filter time | No filter, 0.25 ms, 0.5 ms, 1 ms (default), 2 ms, 4 ms, 8 ms, 16 ms, 32 ms, 64 ms, 128 ms, 256 ms |
| Dimensions | 30 (W) x 100 (H) x 71 (D) | Isolation method | Photocoupler isolation |
| Insulation resistance | 20 M Ω min. between isolated circuits (at 100 VDC) | Dielectric strength | 510 VAC between isolated circuits for 1 minute at a leakage current of 5 mA max. |
| I/O power supply method | Supply from external source | Current capacity of I/O power supply terminal | Without I/O power supply terminals |
| NX Unit power consumption | 0.55 W max. | Current consumption from I/O power supply | No consumption |
| Weight | 85 g max. | | |
| Circuit layout | Connector IN0 to IN15 COM COM COM (left) IN15 COM COM IN15 COM COM COM COM COM LO COM LO COM COM LO COM COM LO COM COM COM COM COM COM COM COM COM CO | IICator | ector |

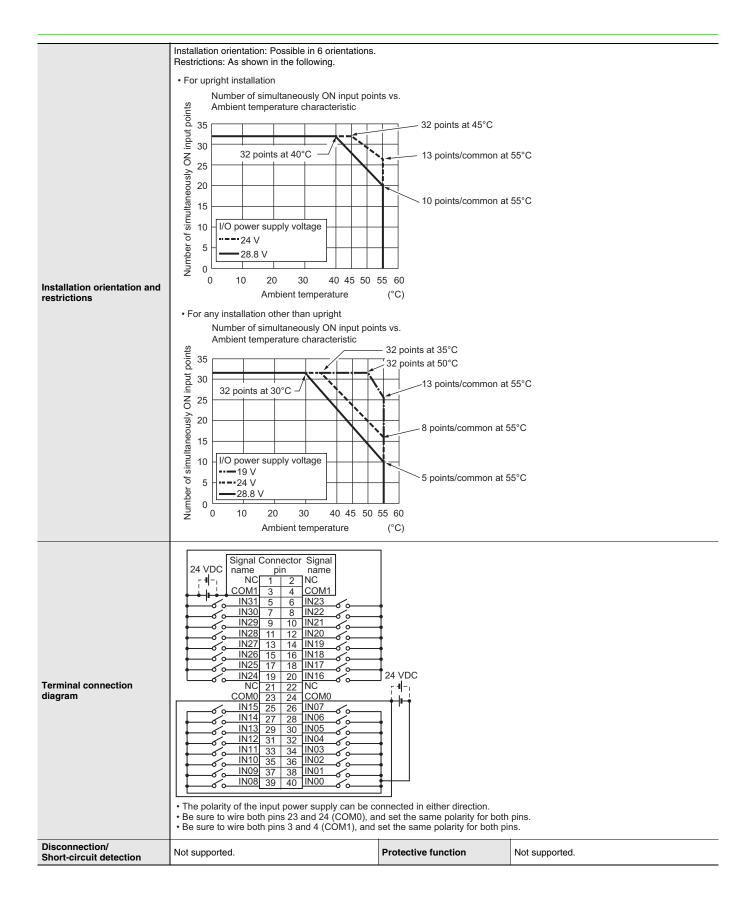
NX-ID/IA



NX-ID6142-5

| Unit name | DC Input Unit | Model | NX-ID6142-5 | | | |
|---------------------------|---|--|---|--|--|--|
| Number of points | 32 points | External connection terminals | MIL connector (40 terminals) | | | |
| I/O refreshing method | Switching Synchronous I/O refreshing and Free-Run refreshing | | | | | |
| | TS indicator, input indicators | Internal I/O common | For both NPN/PNP | | | |
| | ID6142-5 | Rated input voltage | 24 VDC (19 to 28.8 VDC) | | | |
| | ■TS | Input current | 4.1 mA typical (24 VDC) | | | |
| | = 0 = 1 = 2 = 3 = 4 = 5 = 6 = 7 = 8 = 9 = 10 = 11 = 12 = 13 = 14 = 15 | ON voltage/ON current | 19 VDC min./3 mA min. (between COM and each signal) | | | |
| Indicators | ■16 ■17 ■18 ■19 ■20 ■21 ■22 ■23 ■24 ■25 ■26 ■27 ■28 ■29 ■30 ■31 | OFF voltage/OFF current | 5 VDC max./1 mA max. (between COM and each signal) | | | |
| | | ON/OFF response time | 20 μs max./400 μs max. | | | |
| | | Input filter time | No filter, 0.25 ms, 0.5 ms, 1 ms (default), 2 ms, 4 ms, 8 ms, 16 ms, 32 ms, 64 ms, 128 ms, 256 ms | | | |
| Dimensions | 30 (W) x 100 (H) x 71 (D) | Isolation method | Photocoupler isolation | | | |
| Insulation resistance | 20 M Ω min. between isolated circuits (at 100 VDC) | Dielectric strength | 510 VAC between isolated circuits for 1 minute at a leakage current of 5 mA max. | | | |
| I/O power supply method | Supply from external source | Current capacity of I/O power supply terminal | Without I/O power supply terminals | | | |
| NX Unit power consumption | 0.60 W max. | Current consumption from I/O power supply | No consumption | | | |
| Weight | 90 g max. | | | | | |
| Circuit layout | Connector NX bus connector (left) NX bus connector (left) NX bus connector (left) NX bus connector (left) NN bus connector (left) Connector (left) (le | I/O power supply + I/O power supply - NX bus connector (right) | | | | |

NX-ID/IA



• AC Input Units (Screwless Clamping Terminal Block, 12 mm Width) NX-IA3117

| Unit name | AC Input Unit | Model | NX-IA3117 | | | |
|--------------------------------|---|---|--|--|--|--|
| Number of points | 4 points, independent contacts | External connection terminals | Screwless clamping terminal block (8 terminals) | | | |
| Capacity | Free-Run refreshing | Internal I/O common | · · · | | | |
| | TS indicator, input indicator | | No polarity 200 to 240 VAC, 50/60 Hz (170 to 264 VAC, ±3 Hz) | | | |
| | =15 =0 =1 =2 =3 | Input current | 9 mA typical (at 200 VAC, 50 Hz) 11 mA typical (at 200 VAC, 60 Hz) | | | |
| Indicators | | ON voltage/ON current | 120 VAC min./4 mA min. | | | |
| | | OFF voltage/OFF current | 40 VAC max./2 mA max. | | | |
| | | ON/OFF response time | 10 ms max./40 ms max. | | | |
| | | Input filter time | No filter, 0.25 ms, 0.5 ms, 1 ms (default), 2 ms, 4 ms, 8 ms, 16 ms, 32 ms, 64 ms, 128 ms, 256 ms | | | |
| Dimensions | 12 (W) x 100 (H) x 71 (D) | Isolation method | Photocoupler isolation | | | |
| Insulation resistance | Between each AC input circuit: $20 M\Omega$ min. (at 500 VDC) Between the external terminals and the functional ground terminal: $20 M\Omega$ min. (at 500 VDC) Between the external terminals and internal circuits: $20 M\Omega$ min. (at 500 VDC) Between the internal circuit and the functional ground terminal: $20 M\Omega$ min. (at 100 VDC) | Dielectric strength | Between each AC input circuit: AC3700\ VAC for 1 min at a leakage current of 5 m max. Between the external terminals and functional ground terminal: 2300 VAC for min at a leakage current of 5 mA max. Between the external terminals and internal circuits: 2300 VAC for 1 min at a leakage current of 5 mA max. Between the internal circuit and the functional ground terminal: 510 VAC for min at a leakage current of 5 mA max. | | | |
| I/O power supply method | Supplied from external source. | Current capacity of I/O power supply terminal | Without I/O power supply terminals | | | |
| NX Unit power consumption | 0.5 W max. | Current consumption from I/O power supply | No consumption | | | |
| Weight | 60 g max. | | | | | |
| Circuit layout | Terminal block | | I/O power supply + NX bus connector (right) | | | |
| and restrictions | Restrictions: No restrictions | auoris. | | | | |
| Terminal connection diagram | AC Input Unit NX-IA3117 A 0 0 0 0 0 0 0 0 0 0 0 0 0 | , | | | | |
| Disconnection/ | l | | 1 | | | |

NX-ID/IA

Version Information

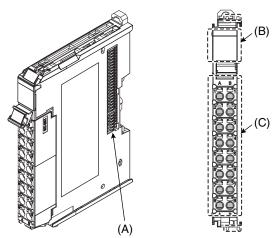
| NX Units | | Corresponding unit versions/versions | | | |
|-------------|--------------|--|--|------------------------|--|
| Model | Unit Version | EtherCAT Coupler Units NX-ECC201/ECC202 * | NJ-series CPU Units NJ501-000/NJ301-000 | Sysmac Studio | |
| NX-ID3317 | | Version 1.0 or later | Version 1.05 or later | Varaian 1.06 at higher | |
| NX-ID3343 | | version 1.0 of later | version 1.05 of later | Version 1.06 or higher | |
| NX-ID3344 | | Version 1.1 or later | Version 1.06 or later | Version 1.07 or higher | |
| NX-ID3417 | | Marrian 1.0 an latan | Version 1.05 or later | Version 1.00 exhister | |
| NX-ID3443 | | Version 1.0 or later | version 1.05 of later | Version 1.06 or higher | |
| NX-ID3444 | | Version 1.1 or later | Version 1.06 or later | Version 1.07 or higher | |
| NX-ID4342 | Ver.1.0 | | | Version 1.00 exhister | |
| NX-ID4442 | | | | Version 1.06 or higher | |
| NX-ID5142-5 | | | | Ver.1.10 or higher | |
| NX-ID5342 | | Version 1.0 or later | Version 1.05 or later | Varaian 1.06 ar higher | |
| NX-ID5442 | | | | Version 1.06 or higher | |
| NX-ID6142-5 | | | | Ver.1.10 or higher | |
| NX-IA3117 | | | | Version 1.08 or higher | |

* For the NX-ECC202, there is no unit version of 1.1 or earlier.

External Interface

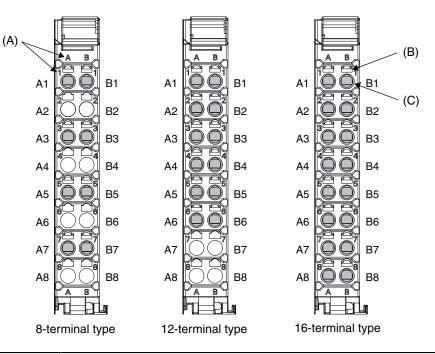
Screwless Clamping Terminal Block Type

• 12 mm Width



| Symbol | Name | Function | |
|--------|------------------|---|--|
| (A) | NX bus connector | This connector is used to connect each Unit. | |
| (B) | Indicators | The indicators show the current operating status of the Unit. | |
| (C) | Terminal block | The terminal block is used to connect external devices. The number of terminals depends on the type of Unit. | |

Terminal Blocks



| Symbol | Name | Function |
|--------|-----------------------------|---|
| (A) | Terminal number indications | Terminal numbers for which A to D indicate the column, and 1 to 8 indicate the line are displayed. The terminal number is a combination of column and line, so A1 to A8 and B1 to B8 are displayed. The terminal number indications are the same regardless of the number of terminals on the terminal block. |
| (B) | Release holes | Insert a flat-blade screwdriver into these holes to connect and remove the wires. |
| (C) | Terminal holes | The wires are inserted into these holes. |

Applicable Terminal Blocks for Each Unit Model

| | Terminal Blocks | | | | | |
|------------|-----------------|------------------|--------------------------------|-------------------------|------------------------------|--|
| Unit model | Model | No. of terminals | Terminal number indications | Ground terminal mark | Terminal current capacity | |
| NX-ID3 | NX-TBA122 | 12 | A/B | None | 10 A | |
| NX-ID4 | NX-TBA162 | 16 | A/B | None | 10 A | |
| NX-ID5 | NX-TBA162 | 16 | A/B | None | 10 A | |
| NX-IA3117 | NX-TBA082 | 8 | A/B | None | 10 A | |

Applicable Wires

Using Ferrules

If you use ferrules, attach the twisted wires to them.

Observe the application instructions for your ferrules for the wire stripping length when attaching ferrules.

Always use one-pin ferrules. Do not use two-pin ferrules.

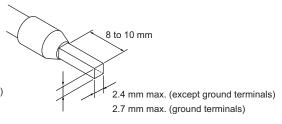
The applicable ferrules, wires, and crimping tool are given in the following table.

| Terminal types | Manufacturer | Ferrule model number | Applicable wire (mm ² (AWG)) | Crimping tool |
|--------------------------|--------------|-------------------------|--|---|
| Terminals other | | | Phoenix Contact (The figure in parentheses is the applicable wire size.) | |
| than ground terminals | | AI0,5-8 | 0.5 (#20) | CRIMPFOX 6 (0.25 to 6 mm ² , AWG24 to 10) |
| lemmais | | AI0,5-10 | 1 | |
| | | AI0,75-8 | 0.75 (#18) | |
| | | Al0,75-10 | | |
| | | AI1,0-8 | 1.0 (#18) | |
| | | AI1,0-10 | | |
| | | AI1,5-8 | 1.5 (#16) | |
| | | AI1,5-10 | 1 | |
| Ground terminals | | Al2,5-10 | 2.0 * | |
| Terminals other | Weidmuller | H0.14/12 | 0.14 (#26) | Weidmuller (The figure in parentheses is the applicable wire size.) |
| than ground terminals | | H0.25/12 | 0.25 (#24) | PZ6 Roto (0.14 to 6 mm ² , AWG 26 to 10) |
| lemmais | | H0.34/12 | 0.34 (#22) | |
| | | H0.5/14 | 0.5 (#20) | |
| | | H0.5/16 | | |
| | | H0.75/14 | 0.75 (#18) | |
| | | H0.75/16 | | |
| | | H1.0/14 | 1.0 (#18) | |
| | | H1.0/16 | | |
| | | H1.5/14 | 1.5 (#16) | |
| | | H1.5/16 | | |

* Some AWG 14 wires exceed 2.0 mm² and cannot be used in the screwless clamping terminal block.

When you use any ferrules other than those in the above table, crimp them to the twisted wires so that the following processed dimensions are achieved.

Finished Dimensions of Ferrules



1.6 mm max. (except ground terminals)2.0 mm max. (ground terminals)

Using Twisted Wires/Solid Wires

If you use the twisted wires or the solid wires, the applicable wire range and conductor length (stripping length) are as follows.

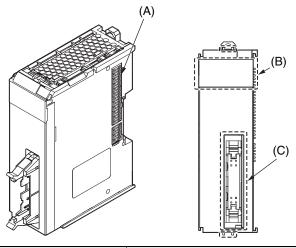
| Terminal types | Applicable wires | Conductor length (stripping length) |
|---------------------------------------|--|-------------------------------------|
| Ground terminals | 2.0 mm ² | 9 to 10 mm |
| Terminals other than ground terminals | 0.08 to 1.5 mm ² AWG28 to 16 | 8 to 10 mm |

Conductor length (stripping length)

21

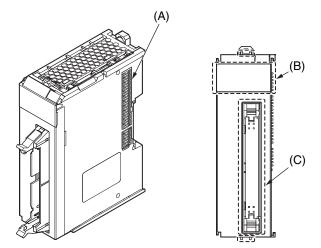
Units with MIL Connectors

• 1 Connector with 20 Terminals



| Letter | Name | Function | |
|--------|--|---|--|
| (A) | NX bus connector | This connector is used to connect each Unit. | |
| (B) | Indicators | The indicators show the current operating status of the Unit. | |
| (C) | Connectors The connectors are used to connect to external devices. | | |

• 1 Connector with 40 Terminals



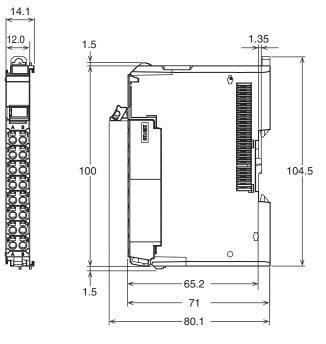
| Letter | Name | Function | |
|--------|------------------|---|--|
| (A) | NX bus connector | This connector is used to connect each Unit. | |
| (B) | Indicators | The indicators show the current operating status of the Unit. | |
| (C) | Connectors | The connectors are used to connect to external devices. | |

(Unit/mm)

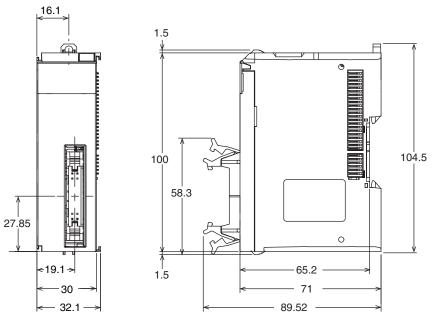
Dimensions

Screwless Clamping Terminal Block Type

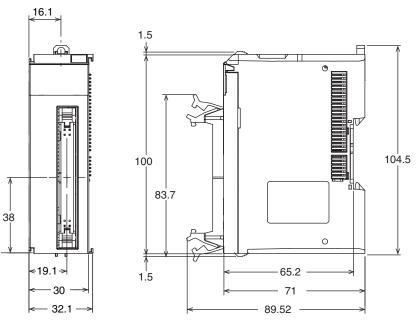
• 12 mm Width



Units with MIL Connectors (1 Connector with 20 terminals) ● 30 mm Width



Units with MIL Connectors (1 Connector with 40 terminals) ● 30 mm Width



Related Manuals

| Cat. No. | Model number | Manual name | Application | Description |
|----------|--|--|--|--|
| W521 | NX-ID NX-IA NX-OD NX-OC NX-OC NX-MD | NX-series Digital I/O Units User's Manual | Learning how to use NX-series Digital I/O Units | The hardware, setup methods, and functions of the NX- series Digital I/O Units are described. |

Read and understand this catalog.

Please read and understand this catalog before purchasing the products. Please consult your OMRON representative if you have any questions or comments.

Warranties.

(a) Exclusive Warranty. Omron's exclusive warranty is that the Products will be free from defects in materials and workmanship for a period of twelve months from the date of sale by Omron (or such other period expressed in writing by Omron). Omron disclaims all other warranties, express or implied.

(b) Limitations. OMRON MAKES NO WARRANTY OR REPRESENTATION, EXPRESS OR IMPLIED, ABOUT NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OF THE PRODUCTS. BUYER ACKNOWLEDGES THAT IT ALONE HAS DETERMINED THAT THE

PRODUCTS WILL SUITABLY MEET THE REQUIREMENTS OF THEIR INTENDED USE.

Omron further disclaims all warranties and responsibility of any type for claims or expenses based on infringement by the Products or otherwise of any intellectual property right. (c) Buyer Remedy. Omron's sole obligation hereunder shall be, at Omron's election, to (i) replace (in the form originally shipped with Buyer responsible for labor charges for removal or replacement thereof) the non-complying Product, (ii) repair the non-complying Product, or (iii) repay or credit Buyer an amount equal to the purchase price of the non-complying Product; provided that in no event shall Omron be responsible for warranty, repair, indemnity or any other claims or expenses regarding the Products unless Omron's analysis confirms that the Products were properly handled, stored, installed and maintained and not subject to contamination, abuse, misuse or inappropriate modification. Return of any Products by Buyer must be approved in writing by Omron before shipment. Omron Companies shall not be liable for the suitability or unsuitability or the results from the use of Products in combination with any electrical or electronic components, circuits, system assemblies or any other materials or substances or environments. Any advice, recommendations or information given orally or in writing, are not to be construed as an amendment or addition to the above warranty.

See http://www.omron.com/global/ or contact your Omron representative for published information.

Limitation on Liability; Etc.

OMRON COMPANIES SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, LOSS OF PROFITS OR PRODUCTION OR COMMERCIAL LOSS IN ANY WAY CONNECTED WITH THE PRODUCTS, WHETHER SUCH CLAIM IS BASED IN CONTRACT, WARRANTY, NEGLIGENCE OR STRICT LIABILITY.

Further, in no event shall liability of Omron Companies exceed the individual price of the Product on which liability is asserted.

Suitability of Use.

Omron Companies shall not be responsible for conformity with any standards, codes or regulations which apply to the combination of the Product in the Buyer's application or use of the Product. At Buyer's request, Omron will provide applicable third party certification documents identifying ratings and limitations of use which apply to the Product. This information by itself is not sufficient for a complete determination of the suitability of the Product in combination with the end product, machine, system, or other application or use. Buyer shall be solely responsible for determining appropriateness of the particular Product with respect to Buyer's application, product or system. Buyer shall take application responsibility in all cases.

NEVER USE THE PRODUCT FOR AN APPLICATION INVOLVING SERIOUS RISK TO LIFE OR PROPERTY OR IN LARGE QUANTITIES WITHOUT ENSURING THAT THE SYSTEM AS A WHOLE HAS BEEN DESIGNED TO ADDRESS THE RISKS, AND THAT THE OMRON PRODUCT(S) IS PROPERLY RATED AND INSTALLED FOR THE INTENDED USE WITHIN THE OVERALL EQUIPMENT OR SYSTEM.

Programmable Products.

Omron Companies shall not be responsible for the user's programming of a programmable Product, or any consequence thereof.

Performance Data.

Data presented in Omron Company websites, catalogs and other materials is provided as a guide for the user in determining suitability and does not constitute a warranty. It may represent the result of Omron's test conditions, and the user must correlate it to actual application requirements. Actual performance is subject to the Omron's Warranty and Limitations of Liability.

Change in Specifications.

Product specifications and accessories may be changed at any time based on improvements and other reasons. It is our practice to change part numbers when published ratings or features are changed, or when significant construction changes are made. However, some specifications of the Product may be changed without any notice. When in doubt, special part numbers may be assigned to fix or establish key specifications for your application. Please consult with your Omron's representative at any time to confirm actual specifications of purchased Product.

Errors and Omissions. Information presented by Omron Companies has been checked and is believed to be accurate; however, no responsibility is assumed for clerical, typographical or proofreading errors or omissions.

In the interest of product improvement, specifications are subject to change without notice.

OMRON Corporation Industrial Automation Company

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Omron:

NX-ID4342 NX-ID3417 NX-ID3343 NX-ID5342 NX-ID4442 NX-ID3443 NX-ID5442 NX-ID3317



ООО "ЛайфЭлектроникс"

ИНН 7805602321 КПП 780501001 Р/С 40702810122510004610 ФАКБ "АБСОЛЮТ БАНК" (ЗАО) в г.Санкт-Петербурге К/С 3010181090000000703 БИК 044030703

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



Тел: +7 (812) 336 43 04 (многоканальный) Email: org@lifeelectronics.ru

www.lifeelectronics.ru