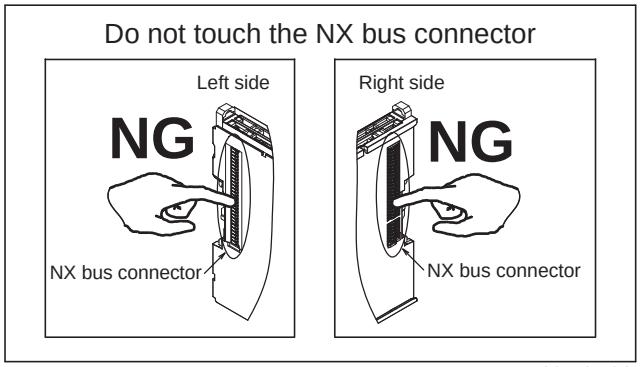


5365134-2C

OMRON

NX series INSTRUCTION SHEET

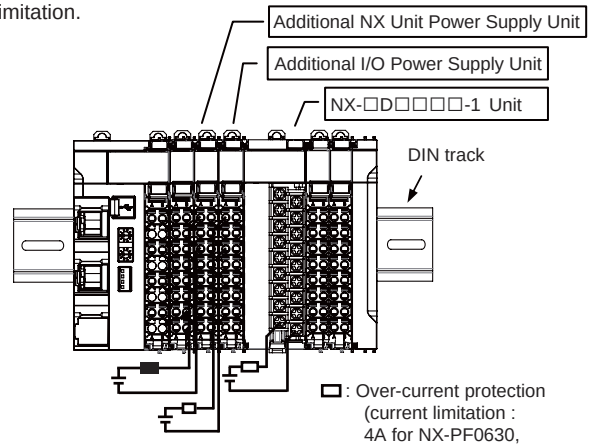
 5365134-2C

Precautions for Compliance with UL Standards and CSA Standards

Notice to Users of the NX series components in USA and Canada

Please use the following installation information instead of the general information in the instruction manuals in order to use the product under certified conditions of UL and CSA when the product is installed in the USA or Canada. These conditions are required by NFPA 70, National Electrical Code in the USA and the Canadian Electrical Code, Part I in Canada and may vary from information given in the product manuals or safety precautions. Make sure that information written in this document are delivered to the final user of the product.

- **Environment**
  Surrounding Air Temperature:55℃
- **Current restrictions from power supply connector**
  The external power supply must be an isolated DC source. It must be equipped with an over-current protection with current limitation.



- **Applicable wire**

Screwless Clamping Terminal Block

Unit power source and IO power source line

Current limitation	Type	Wire size	Strip length	Conductor surface
4A max	Solid/Strand	AWG 24-16	9mm	Plated
Exceeds 4A	Strand	AWG 20-16	9mm	Plated

IO signal line

Type	Wire size	Strip length
Solid/Strand	AWG 24-16	9mm

Do not use ferrule terminals for field wiring. Insert the strand or solid copper wire directly into the holes on the terminal block.

M3 Screw Terminal Block

Type	Wire size	Torque
Solid/Strand	AWG 24-14	7 Lb-In(0.8N.m)

Do not use crimp terminals for field wiring.
Use the strand or solid copper wire.
Do not insert more than one wire in one terminal.

Please select wire sizes suitable for rated current.

Wire size	Current (MAX)	Wire size	Current (MAX)
AWG 24	2A	AWG 18	7A
AWG 22	3A	AWG 16	10A
AWG 20	5A	AWG 14	15A

- **Compliance with Class I Division 2 Hazardous Location:**

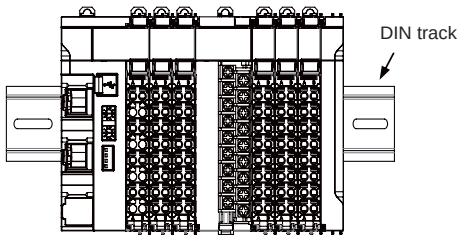
Input and output wiring must be in accordance with Class I Div.2 wiring methods and in accordance with the authority having jurisdiction.

1. This equipment is suitable for use in Class I, Div.2, Group A, B, C, D or Non-Hazardous Locations Only.
2. WARNING : Explosion Hazard - Substitution of Components may Impair Suitability for Class I, Div.2.
3. WARNING : Explosion Hazard - Do not Disconnect Equipment Unless Power Has Been Switched off or the Area Is Known to Be Non-Hazardous.
4. This device is open-type and is required to be installed in an enclosure suitable for the environment and can only be accessed with the use of a tool or key.

1. Cet equipement convient a l'utilisation dans des emplacements de Classe I, Division 2, Groupes A, B, C, D, ou ne convient qu'a l'utilisation dans des endroits non dangereux.
2. AVERTISSEMENT : Risque d'explosion - La substitution de composants peut rendre ce materiel inacceptable pour les emplacements de Classe I, Division 2.
3. AVERTISSEMENT : Risque d'explosion - Avant de debrancher l'equipement, couper le courant ou s'assurer que l'emplacement est designe non dangereux.
4. Ce dispositif est de type ouvert et doit etre installe dans un coffret adapte a l'environnement et auquel on ne pourra acceder uniquement au moyen d'un outil ou d'une cle.

- **Direction for installation**

Vertical only.



Conformance to EU Directives

This product is EMC-compliant when assembled in PLC system or Machine Automation Controller. To ensure the EU Directive conformance of customer's machinery or equipment in which the product is incorporated, be sure to observe the following precautions.

1. This product is defined as an in-panel device and must be installed within a control panel.
2. Reinforced insulation or double insulation must be used for the DC power supply connected to the DC power supply unit, communication unit, and I/O unit.
3. This product complies with the common emission standard (EN61131-2, EN61000-6-4) with regard to EMI. For the radiated emission requirement (10-m regulations), in particular, please note that the actual emission varies depending on the configuration of the control panel to be used, the connected devices, and wiring methods. Therefore, the customer must confirm the EU Directive conformance of the overall machinery or equipment by themselves, even if this EU conforming product is used.

This is a class A product. In residential areas it may cause radio interference, in which case the user maybe required to take adequate measures to reduce interference.

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Note: Specifications subject to change without notice.
Printed in China