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## NMTR7.E104818

# Power Circuit and Motor-mounted Apparatus Certified for Canada

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## Power Circuit and Motor-mounted Apparatus Certified for Canada

See General Information for Power Circuit and Motor-mounted Apparatus Certified for Canada

### OMRON CORP

E104818

SAFETY STANDARDS GROUP

IAB TECHNOLOGY DEVELOPMENT CENTER H Q

SHIOKOJI HORIKAWA, SHIMOGYO-KU

KYOTO 600-8530, JAPAN

**Control units**, Models 3SP-U1P, F3SP-U2P.

**DC backup block**, Model S8T-DCBU, may be followed by 01, may be followed by an additional number from 300 through 999.

**Power supplies**, Models S82J, followed by 010, 025, 050 or 100, followed by 05, 12, 15 or 24, may be followed by A or D, may be followed by D, may be followed by an additional numbers.

Models S82J, followed by 100 or 150, followed by 05, 12, 15 or 24, may be followed by A, B, D or E, may be followed by D, may be followed by an additional numbers.

Type S82K, may be followed by P, followed by 003, 007, 015, 030, 050, 090 or 100, followed by 05, 12, 15, 24, 27 or 28, may be followed by T, may be followed by an additional number from 300 thru 999.

Models S82K-24024, S82K-24024T, S82K-P24024, may be followed by an additional number from 300 thru 999.

Model S82W-112-SK optional, followed by 300 through 999.

Models S8TS-02505, -03012, -06024, may be followed by F, may be followed by -E1, may be followed by an additional number from 300 through 999.

Models S8VS, followed by -060, -090 or -120, followed by 24, may be followed by A or B, may be followed by P, may be followed by an additional number from 300 through 999.

Models S8VS, followed by -180, followed by 24, may be followed by A or B, may be followed P, may be followed by an additional number from 300 through 999.

Model S8VS, followed by -240, followed by 24, may be followed by A or B, may be followed by P, may be followed by an additional number from 300 through 999.

Model S8PE, followed by F or J, followed by 120, 240, 480 or 960, followed by 12, 24 or 48, followed by C or CD, followed by aaa. (aaa represents a numeric code for options or customer specific versions, not safety relevant).

Model ZEN, followed by -PA, followed by 030, followed by 24, may be followed by an additional number from 300

through 999.

Model S8VS, followed by -015 or -030, followed by 05, 12 or 24, may be followed by an additional number from 300 through 999.

**Sensing Components**, Type E6, with additional letters and/or numbers; Type E8, with additional letters and/or numbers; Type F5, with additional letters and/or numbers.

Type F3M, with additional letters and/or numbers; Type V600-HA, with additional letters and/or numbers; Type V600-HS, with additional letters and/or numbers; Type F150, with additional letters and/or numbers; Type F10, with additional letters and/or numbers; Type F40, with additional letters and/or numbers. Type F180, with additional letters and/or numbers.

Type Z4LB, with additional letters and/or numbers; Type V530-R150, with additional letters and/or numbers; Type F180, with additional letters and/or numbers.

**ID controller**, Type V600-HA, with additional letters and/or numbers; Type V600-HS, with additional letters and/or numbers.

**Open type solid state identification system**, Controller unit, Type V6, followed by 0, 2 or 5, followed by a number or a letter, followed by C, followed by letters and/or numbers.

**Monitor unit**, Type V600-P01.

Type V600, followed by IDSC, followed by a number, followed by 2 or 4, may be followed by additional letter(s) and/or number(s).

Type CS1W or CJ1W, followed by V600C1, followed by 1 or 2, with additional letters and/or numbers.

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## NMTR7.GuideInfo

### Power Circuit and Motor-mounted Apparatus Certified for Canada

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## [Industrial Control Equipment Certified for Canada] Power Circuit and Motor-mounted Apparatus Certified for Canada

See General Information for Industrial Control Equipment Certified for Canada

### GENERAL

This category covers autotransformers, including motor starting and variable voltage types; battery chargers for industrial use; magnetically-operated brakes; busbars; magnetically-operated clutches; enclosed slip rings; lamp dimmers, including incandescent, fluorescent, mercury vapor, surgical light and theater use; phase converters; power factor correction equipment; power supplies for industrial use; reactors, including line chokes; and resistors, including motor starting, rheostats, potentiometers, and high impedance grounding types.

A brake or clutch may consist of several parts with the Listing Mark appearing on the main electrical part (i.e., field). Where other part(s) are essential to complete a Listed assembly, the basic unit is marked to indicate the parts needed.

### ADDITIONAL INFORMATION

For additional information, see Industrial Control Equipment Certified for Canada ([NIMX7](#)) and Electrical Equipment for Use in Ordinary Locations Certified for Canada ([AALZ7](#)).

### REQUIREMENTS

The basic standard used to investigate products in this category is CAN/CSA C22.2 No. 14-M 95 , "Industrial Control Equipment."

### UL MARK

The Listing Mark of Underwriters Laboratories Inc. on the product is the only method provided by UL to identify products manufactured under its Listing and Follow-Up Service. The Listing Mark for these products includes the UL Mark for Canada symbol (as illustrated in the Introduction of this Directory) together with the word "LISTED," a control number, and the product name "Industrial Control Equipment" (or "Ind. Cont. Eq.").

**Last Updated** on 2004-06-18

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## NIMX7.GuideInfo

# Industrial Control Equipment Certified for Canada

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## Industrial Control Equipment Certified for Canada

### Guide Information for Electrical Equipment for Use in Ordinary Locations Certified for Canada

The listing covers the following products:

Industrial Control Panels

Motor Control Centers

Motor Controllers

Miscellaneous Apparatus

Programmable Controllers

Industrial Control Switches

Industrial control equipment identified with an enclosure type designation or as "Rain tight" or "Rainproof" is intended for use as indicated in (AALZ7).

Industrial Control Equipment, is for use with copper conductors unless marked to indicate which terminals are suitable for use with aluminum conductors. Such marking is independent of any marking on terminal connectors and is on a wiring diagram or other readily visible location.

Industrial Control Equipment, for which accessory kits are available for the field or distributor modification of the basic product or which may be assembled in many forms from separate components are marked to indicate the suitable accessories or separate components which may be used.

If the sealed rating of the operating coil circuit of a magnetically operated industrial control device exceeds 125 volt-amperes, the coil circuit rating is marked on the device.

Overload relays or industrial control equipment incorporating overload relays are identified as to their maximum tripping time at 600 per cent of the overload relay current element trip rating. The designations "Class 10, Class 20, and Class 30" are used to identify the maximum tripping times, with the Class number indicating the maximum tripping time in seconds. Overload relays with maximum tripping times of 10 or 30 seconds are marked Class 10 or Class 30 respectively. Overload relays with a maximum tripping time of 20 seconds may be marked Class 20. Overload relays with tripping times in excess of 30 seconds are marked with their maximum tripping times. All unmarked overload relays have a maximum tripping time of 20 seconds.

There are open, across-the-line starters intended for bolt on mounting to panelboards and dead front switchboards and are so restricted by the Listing Mark. They are provided with a cover or door and the remaining portions of the enclosure are provided by the panel or switchboard enclosure.

Some industrial control equipment is suitable for use as service equipment and may be so marked. Such marking is part of the Listing Mark or is an integral part of other required markings.

Some industrial control equipment incorporates neutrals factory bonded to the frame or enclosure. Such units are marked "Suitable Only For Use As Service Equipment."

Open type across-the-line starters designed only for use in panelboards or dead front switchboards employ Listing Marks with the product identity "INDUSTRIAL CONTROL EQUIPMENT FOR USE IN PANELBOARDS AND DEAD FRONT SWITCHBOARDS" or "IND. CONT. EQ. FOR USE IN PANELBOARDS AND DEAD FRONT SWITCHBOARDS."

For other than industrial control panels, enclosed type product Listing Marks contain the product identity "INDUSTRIAL CONTROL EQUIPMENT" or the abbreviation "IND. CONT. EQ." on the enclosure, or the product identity "INDUSTRIAL CONTROL EQUIPMENT ENCLOSED" on the mechanism mounted within the enclosure. In either case, the Listing Mark indicates that the overall product with its enclosure is Listed.

Enclosures for use with open type products employ Listing Marks with the product identification "Enclosure For Industrial Control Equipment" or "Enclosure For Ind. Cont. Eq." and are marked to specify the Listed open type products to be installed within. Look for a Listing Mark on both the enclosure and the open mechanism.

The "Enclosed Industrial Control Panel" and "Industrial Control Panel" Listing Marks cover both the enclosure and the panel provided with it. Open panels employ the "Open Industrial Control Panel" Listing Mark. The "Industrial Control Panel Enclosure" Listing Mark covers only the enclosure; the compatibility of the enclosure and the installed equipment and associated wiring has not been investigated unless an "Enclosed Industrial Control Panel" Listing Mark is also present.

"Drip-proof" equipment is so constructed that falling moisture or dirt does not interfere with the successful operation of the equipment.

"Watertight" equipment is so constructed that water does not enter the enclosure when subjected to a stream of water.

Equipment classed "Drip-proof" or "Watertight" is marked to indicate this fact.

The basic standard used to investigate products in this category is CAN/CSA C22.2 No. 14-M91, Industrial Control Equipment.

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