
NMTR.E197259

Power Circuit and Motor-mounted Apparatus

Power Circuit and Motor-mounted Apparatus

See General Information for Power Circuit and Motor-mounted Apparatus

SIEMENS AG OESTERREICH

E197259

ELEKRONIK WERK WIEN

SIEMENS STRASSE 88/90

POSTFACH 83

A-1211 VIENNA, AUSTRIA

Industrial control equipment, miscellaneous apparatus, Cat. Nos. 6EP1436-3BA00, 6EP1437-3BA00. Signaling Module 6EP1961-3BA10. Hold-Up Module 6EP1961-3BA00. Current Monitor 6EP1961-2BA00. Redundance Module 6EP1961-3BA20.

Cat. Nos. 6EP1333-1AL12, -1334-1AL12, -1336-3BA00, -1457-3BA00.

Cat. Nos. 6EP1333-3BA00, 6EP1334-3BA00, 6EP1337-3BA00.

Open type miscellaneous apparatus, power supplies, Models 6EP1311-1SH02, 6EP1311-1SH12, 6EP1321-1SH02, 6EP1322-1SH02, 6EP1331-1SH02, 6EP1332-1SH42, 6EP1351-1SH02, 6EP1352-1SH02, 6EP1332-1SH51, 6EP1332-1SH61, 6EP1931-2DC21, 6EP1931-2DC31, 6EP1931-2DC41, 6EP1931-2EC01, 6EP1931-2EC11, 6EP1931-2EC21, 6EP1931-2EC31, 6EP1931-2EC41, 6EP1931-2FC21, 6EP1931-2FC41.

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NMTR.GuideInfo

Power Circuit and Motor-mounted Apparatus

[Industrial Control Equipment] Power Circuit and Motor-mounted Apparatus

See General Information for Industrial Control Equipment

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 (**NIMX**) and Electrical Equipment for Use in Ordinary Locations (**AALZ**).

REQUIREMENTS

The basic standard used to investigate products in this category is UL 508, "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 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

NIMX.GuideInfo

Industrial Control Equipment

Industrial Control Equipment

Guide Information for Electrical Equipment for Use in Ordinary Locations

The listing covers the following products:

Industrial Control Panels

Motor Control Centers

Motor Controllers

Miscellaneous Apparatus

Programmable Controllers

Industrial Control Switches

Enclosed industrial control equipment identified with an enclosure type designation is intended for use as indicated in the guide information at the front of this directory (**AALZ**).

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.

Control Panels

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 of the equipment listed in this category has also been investigated for use aboard marine vessels over 65 ft. in length as covered by the Electrical Engineering Regulations of the United States Coast Guard, Subchapter J, CG-259, (46 CFR Parts 110-113).

The Electrical Engineering Regulations of the United States Coast Guard classify marine type equipment as "Non-Watertight," "Drip-proof," or "Watertight."

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, and unless indicated otherwise in the general information for the following subcategories, 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.

For industrial control panels, one of the following product identities appears on the Listing Mark: "Open Industrial Control Panel" , "Industrial Control Panel Enclosure" , "Enclosed Industrial Control Panel" .

The "Enclosed Industrial Control Panel" Listing Mark covers 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.

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