

File E175531
Project 02NK49287

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REPORT

on

PROGRAMMABLE CONTROLLERS

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VRB/JNC:bcs
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DESCRIPTION

PRODUCT COVERED:

USL, CNL - Listed Open Type Programmable Controller, Cat.No. MS3124, Cat.No. MB2T, Cat. Nos. MM3 may be followed by a dash and up to 9 numbers or letters and a slash.

GENERAL:

These devices (MICE-Family) are Modular Industrial Control Ethernet LAN components for rail mounting consisting of the main switch MS3124-4 and the media modules MM3. They are to be supplied by a Class 2 source only.

ELECTRICAL RATINGS:

Supply Voltage: 24 Vdc, Class 2

Max. surrounding air temperature: 60°C

ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE'S USE):

CNL - Indicates Investigated To Canadian National Standard(s) C22.2 No. 14-M95.

Note: CNL = Canadian National Standards - Listed.
USL = United States Standards - Listed.

CONSTRUCTION DETAILS:

General - The details of construction are covered in the following photographs and accompanying descriptive pages and illustrations.

Corrosion Protection - All parts of corrosion resistant materials are painted or plated as corrosion protection.

Class 2 circuit - The investigation has been conducted under consideration of the Class 2 requirements. This allows for the investigation of spacings and components on the secondary to be waived.

Installation Instructions - Shall be provided and include a wiring diagram. It must include a statement "Only for connection with a Class 2 power supply" or equivalent.

Warning Markings - See Section General for details.

Markings - Listed company name or trademark, model number, electrical ratings, and wiring diagram is required. Terminal identifications are also on the device.

"For Use In Class 2 Circuits" or equivalent statement. This may be provided in the installation instructions separately instead of marked on the device.

The following markings are also provided on the device or as part of the installation instructions:

"Use 60/75 or 75°C copper(CU)wire only"

NOMENCLATURE:

The significance of the alphanumeric marking system is explained as follows:

NOMENCLATURE BREAKDOWN:

Note: Provided only for media modules

MM3	-	2FXS2/2TX1
I	II	III

I : basic media module designation

II : dash

III : media modul designation

may be followed by a dash and up to 9 numbers or letters and a slash

FX: LWL port

TX: twisted pair port

MODELS MS3124-4; MM3-2FXS2/2TX1; MB2T

FIG. 1 (G0201369)

General - This figure shows the main switch MS3124-4, several media modules MM3-.. mounted as well as an attached rack extension MB2T and is for reference use only. Due to the use of Class 2 Source, no evaluation of components was considered necessary.