

File E175531
Project 10CA12264

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REPORT

on

PROGRAMMABLE CONTROLLERS

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DESCRIPTION

PRODUCT COVERED:

USL, CNL - Programmable controller, open type, Industrial ETHERNET Switch, cat. no. MAR10 or MAR11 followed by 4, followed by 0- or 2-, followed by 4C, followed by 4C, followed by 4C, followed by 4C, followed by 99, followed by 99, followed by S or C or T or E, followed by L or M, followed by L or M or 9, followed by a letter, may be followed by additional suffixes.

GENERAL

These devices are Ethernet network communication switches intended for use in industrial applications. They are microcontroller-based and communicate via interfaces through wire or fiber-optic ports.

RATINGS:

Cat. no.		Input 1	Input 2	Input/output communication
MAR1x40-4C4C4C4C9999x	LL	24-48Vdc, 1.4-0.7A	24-48Vdc, 1.4-0.7A	16 communication ports
	LM	24-48Vdc, 1.4-0.7A	100-240Vac, 50-60Hz 0.7-0.4A	
	MM	100-240Vac, 50-60Hz 0.7-0.4A	100-240Vac, 50-60Hz 0.7-0.4A	
	ML	100-240Vac, 50-60Hz 0.7-0.4A	24-48Vdc, 1.4-0.7A	
MAR1x42-4C4C4C4C9999x	LM	24-48Vdc, 1.4-0.7A	100-240Vac, 50-60Hz 0.7-0.4A	16 communication ports
	MM	100-240Vac, 50-60Hz 0.7-0.4A	100-240Vac, 50-60Hz 0.7-0.4A	

where x stand for letters or numbers according to the Nomenclature,

Relays contacts: 230V/2A AC resistive load
30V/2A DC resistive load

RATINGS (Continued):

Max. surrounding air temperature:

+60°C for models: MAR1x4x-4C4C4C4C9999Sxxx,
or **MAR1x4x-4C4C4C4C9999Cxxx**

+70°C for models: MAR1x4x-4C4C4C4C9999Txxx,
or MAR1x4x-4C4C4C4C9999Exxx,

where x stand for letters or numbers according to the Nomenclature.

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

CNL - Indicates investigation to Canadian National Standard(s) for Process Control Equipment, C22.2 No. 142-M1987.

USL - Indicates investigation to United States Standard for Safety for Industrial Control Equipment UL 508, Seventeenth Edition.

Note: CNL = Canadian National Standards - Listed.

USL = United States Standards - Listed.