

## DESCRIPTION

## PRODUCT COVERED:

USR/CNR Component - Series MCP, Cat. No. 1-1823498-1, 1-2286361-1.

USR/CNR Component - Series MCP, Cat. No. 1-1418362-3, 1-2286380-3.

Male-to-Male configurations are not covered due to accessibility of live parts.

## RATINGS:

See Ill. 8 for referenced circuits and their contacts.

Series	Circuit	Number of Poles	Wire Size, AWG	Current, A	Voltage, V
MCP	Red	25	16	4 A	250 Vac/dc
MCP	Orange	9	16	1.33 A	250 Vac/dc
MCP	Green	9	16	120 mA	250 Vac/dc
MCP	Blue	1	16	120mA	250 Vac/dc
MCP	Yellow	2	16	0.5 A	250 Vac/dc

## GENERAL:

USR indicates investigation to United States Standards, UL 2238, Second Edition

CNR indicates investigation to Canadian National Standards, C22.2 No. 182.3-M1987

\*These devices are multi circuit / multi pole connectors, that are factory assembled on No. 16 AWG, copper wire AWM style 2517 and intended for use only in equipment where the acceptability of the combination is determined by UL LLC. Inc.

## TECHNICAL CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE ONLY):

Use - For use only in or with complete equipment where the acceptability of the combination is determined by UL LLC.

Conditions of Acceptability - In order to be judged acceptable as a component of electrical equipment, the following conditions should be met.

1. Male-to-Male configurations are not covered due to accessibility of live parts.
2. These devices should be used only where they will not interrupt current.
3. These devices have been investigated for the current ratings tabulated below carried by the indicated poles with a maximum temperature / temperature rises of as shown below.

Series	Circuit	Number of Poles	Wire Size, AWG	Current, A	Max. Temp, °C (USR)	Max. Temp Rise, °C (CNR)
MCP	Red	25	16	4 A	37.0	12.9
MCP	Orange	9	16	1.33 A	29.5	7.4
MCP	Green	9	16	120 mA	25.4	1.3
MCP	Blue	1	16	120 mA	25.4	1.3
MCP	Yellow	2	16	0.5 A	27.8	5.7

- \*4. USR - Based upon the RTI **w/ impact** of the insulating material, the operating temperature of these devices should not exceed 90°C.  
  
CNR - The operating temperature of these devices should not exceed a 30°C rise.
5. The suitability of the mounting means shall be determined in the end use.
6. The acceptability of the grounding connection shall be determined by the end-use product engineer.
7. The electrical and mechanical suitability of the wiring terminals shall be determined in the end use.
8. The placement of these devices within the equipment enclosure should be such that spacings between the live parts and the equipment are suitable for the particular application.
9. The adjacent poles may be used at potentials not exceeding 250 V based on the results of a Dielectric Voltage Withstand Test performed at 1500 Vac/dc.

10. The electrical and mechanical contact between the panel mount connector and the printed wiring board is to be judged in the end-use equipment.
- \*11. For use with wire Type(s) AWM, style 2517, size No. 16 AWG. This wire is suitable for use internal **and external**. This does not apply to 1-418362-3, which is intended to be mounted to an enclosure.
12. (Optional) The suitability of the NMPT tubing and secureness means to the MCP connector is to be determined in the end-use equipment.
13. The following parts are accessories and are not considered to be in contact with or support of live parts:  
  
Lever (1823499-1), Slides (1394689-1, -2)  
Seal (1394687-1), Lock (1394686-1)