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COMPONENT - CONNECTORS FOR USE IN DATA, SIGNAL, CONTROL AND POWER
APPLICATIONS

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D E S C R I P T I O NPRODUCT COVERED:

USR, Hermetic Cluster Block Series.

GENERAL:

These devices are multi-pole connectors intended for factory assembly on copper wire sizes as indicated in Ratings table below where the acceptability of combinations is determined by UL LLC. The devices are for use with refrigerator hermetic compressors rated max 250 V, single phase, 60 Hz. They are intended to mate with terminals provided with 0.090 in (2.13 mm) dia electrodes designed to project into the connector approximately, but not more than 3/8 in (915 mm). The devices are identified as follows:

USR indicates investigation to United States Standards, UL 1977.

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RATINGS:

Series	Voltage [Vac/Vdc]	Ampere (A)	Conductor Sizes, AWG [Str]
Hermetic Cluster Block	250	--	16 - 18 AWG

ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE USE):

Use - For use in equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

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

1. These devices should be used only where they will not interrupt the current.
2. These devices have not been tested for current-carrying capability.
3. The electrical and mechanical suitability of the wiring terminals shall be determined in the end use.
4. 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.
5. The adjacent poles may be used at potentials not exceeding 250 V based on the spacings requirements of Paragraph 12.3 of UL 984 Fifth Edition, the Standard for Hermetic Refrigerant Motor Compressors, which covers the end-use products for which the components were designed are met. Dielectric testing has not been performed.

6. The electrical and mechanical contact between the connector and the mating terminals provided on the compressor shall be judged in the end-use equipment.

7. Lead wires provided by the end-use manufacturer shall be determined acceptable for the end-use application.

8. The suitability of the insulating materials used in the molded bodies shall be judged in the end-use equipment.

*9. The operating temperature of these devices should not exceed the temperature ratings of the insulating materials. **For Cat. No. 281006,** materials may be used interchangeably at a maximum temperature of 120°C. **For Cat. No. 1955415-1, materials may be used interchangeably at a maximum temperature of 130°C.**