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REPORT

On

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 Component Connectors, Series QR/P6:

* Cat. Nos. QR/P6, followed by -6, -12, -16 or -24, followed by P or S, followed by -C, may be followed by (01) thru (99).

GENERAL DESCRIPTION OF PRODUCT:

These are plugs and connectors for use in appliances. Contacts are shipped along with connector bodies and are intended to be mounted into the connector body by the user after attachment of appropriate size wire. The devices are identified as follows:

USR indicates investigation to United States Standards, UL 1977.

ELECTRICAL RATINGS:

250 V ac, current determined by contact type and wire size used.

	<u>Contact</u>	<u>Wire Size (AWG)</u>	<u>Rated Current</u>
*	QR/P1-PC1B	14-16	10 A
*	-SC1B	14-16	10 A
*	-PC1A	18-24	5 A
*	-SC1A	18-24	5 A
*	-PC2B	20-24	3 A
*	-SC2B	20-24	3 A
*	-PC2A	24-28	1 A
*	-SC2A	24-28	1 A

Disconnecting Use - See Sec. Gen. For required markings.

NOMENCLATURE:

The Series QR/P6 are designated as follows:

Example:

QR/P6	-12	P	-C	(21)
I	II	III	IV	V

I: Series Name
QR/P6

II: Number of Contacts
-6, -12, -16 and -24

III: Connector Style
P: Receptacle
S: Plug

IV: Terminal Style
-C: Crimp type

V: Customer Specifications
(01) to (99) or blank: Indicating packaging differences or Insulator material color variations **unless noted otherwise.**

(21), (22) or (26): Employing TORAY insulating material
Other than (21), (22) or (26): Employing SABIC or BARLOG PLASTICS
insulating material

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

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

* Conditions of Acceptability - The following are among the considerations to be made when evaluating the device in the end-use product.

- *1. The enclosure of the device has live parts that may be exposed to user contact when the connector is energized. The device is suitable for use only within an acceptable enclosure.
- *2. These devices are not suitable for interrupting the flow of current by connecting or disconnecting the mating connector.
3. These devices have only been evaluated on the size conductors described under Electrical Ratings. Use on any other size conductor may require additional evaluation.
4. These devices are intended for internal use and are not intended to have any strain on the conductors.
5. These devices employ insulating materials with properties as tabulated below at the minimum thickness employed in the connector housing, the suitability of the insulating materials based on the documented values shall be determined in the end-use application. Please note the values specified in the table when multiple materials are indicated represent the minimum values for the group of materials.

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