

File E52653  
SR# SR7396334-T001

April 07, 1988

REPORT

On

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

Hirose Electric Co Ltd  
Yokohama 222-8566 JAPAN

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

USR Component Connectors, shown as follows.

- \* Series QR/P8: Cat. Nos. QR/P8, followed by -8P, -8S, -12P, -12S, -20P or -20S, followed by -C, may be followed by (01) thru (99).

Series QR/P8A: Cat. Nos. QR/P8AF, followed by -22P or -22S, followed by -RC-C, may be followed by (01) thru (99).

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 identified as follows:

USR indicates investigation to United States Standards, UL 1977.

ELECTRICAL RATINGS:

The voltage rating of both end contacts (power) is 300 V ac, for QR/P8 Series and 250 V ac, for QR/P8A Series. The voltage of other contacts (singal) is not specified. The current rating is determined by contact type and wire size used.

<u>Series</u>	<u>Contact</u>	<u>Wire Size (AWG)</u>	<u>Rated Current</u>
QR/P8	QR/P8-PC-*1*	20-22	3 A
	QR/P8-SC-*1*	20-22	3 A
	QR/P8-PC-*1*	24	2 A
	QR/P8-SC-*1*	24	2 A
	QR/P8-PC-*2*	24	2 A
	QR/P8-SC-*2*	24	2 A
	QR/P8-PC-*2*	26-28	1 A
	QR/P8-SC-*2*	26-28	1 A
QR/P8A	QR/P8-PC-*1*	20-24	3 A
	QR/P8-SC-*1*	20-24	3 A
	QR/P8-PC-*2*	24-28	2 A
	QR/P8-SC-*2*	24-28	2 A

1 = Power contact;  
2 = Signal contact

Disconnecting Use - see Sec Gen for required marking

## NOMENCLATURE:

The Series QR/P8 and QR/P8A are designated as follows:

Example:

<u>QR/P8A</u>	<u>F</u>	<u>-22</u>	<u>P</u>	<u>-RC</u>	<u>-C</u>	<u>      </u>
I	II	III	IV	V	VI	VII

- I: Series Name  
QR/P8 or QR/P8A
- II: Suffix  
None or F
- III: Number of Contacts  
-8, -12, -20 or -22
- IV: Connector Style  
P: Receptacle  
S: Plug
- V: Customer identification  
None or -RC
- VI: Terminal Style  
-C: Crimp type
- VII: Customer Specifications  
(01) to (99) or blank: Indicating packaging differences or Insulator material color variations **unless noted otherwise.**
- (20), (21) or (22): Employing MITSUBISHI insulating material**  
**Other than (20), (21) or (22): Employing SABIC insulating material.**