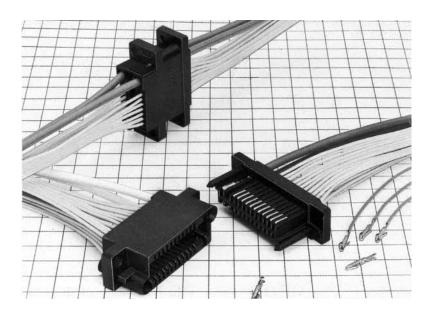
QR/P6 SERIES

QR/P6 SERIES RECTANGULAR MINIATURE MULTI-CONTACT RACK/PANEL CRIMP CONNECTOR

General

The QR/P6 Series are miniaturized versions of the QR/P and QR/P1 series. Rectangular multi-contact rack and panel connectors for plug-in connection.

Available in 6, 12, 16, and 24 contacts for highly efficient and reliable crimp termination.



Features

- Offers smooth insertion/extraction and stable contact pressure through point-blade contact, and has ample allowance for the deviations in contact length specific to plug-in connection.
- (2) Miniaturized by separating power contacts from signal contacts.
- (3) Signal contacts in the housing are located in pitches of 2.54mm. The opposed contacts at one end of the connector are spaced 6.9mm so that they can withstand high voltage. Can be used for power supplies. Uses flame-retardant insulator (UL94-0).
- (4) Miniaturized using guide pins integral with the insulator.
- (5) Ensures smooth insertion and extraction, and designed to be fixed with stepped screws on a panel or rack.
- (6) The female housing is designed to allow the contact part of the female terminal to be below the mating surface, meeting the Finger Test Requirements (complying with UL 1950)
- (7) The connectors of the series have passed UL, CSA and TÜV standard.

Application

PPC, Transmission/Reception equipment, Data Communication, equipment, Vending machines,

Measuring Instruments, Automation equipment, Switch-boards.

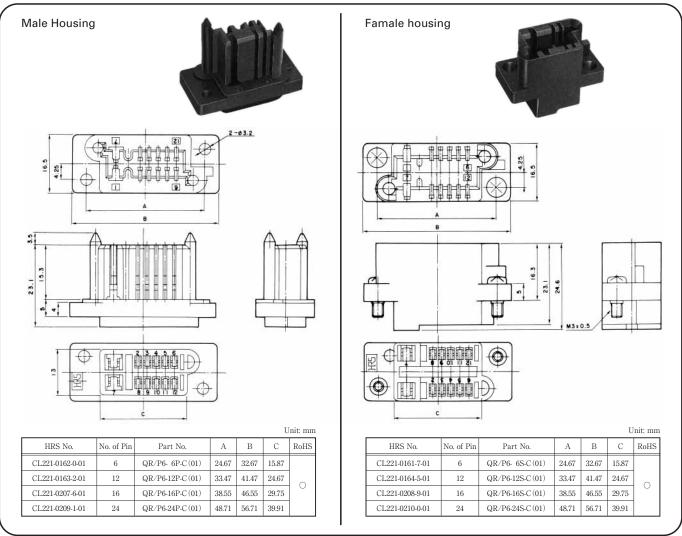
Main Specification

General ratings of QR/P6				Main materials					
Contact Resistance	Power terminal $10m\Omega$ or less at DC1A		Insulat		· PBT resin		Black		
	Signal terminal	$15.m\Omega$ or less at DC1A	Terminal		Phosphor bronze			Selective Gold plating with nickel underplating	
Insulation Resistance	$5000 M\Omega$ or less at DC $500 V$					with	0		
Withstand Power unit		AC 1000V						* UL94	±v-0
Voltage (for 1 min.)	Signal unit	QR/P6 ratings ap				proved by safety standards			
Rated current	Power terminal	10A	Safety standard		UL	UL CSA $-10 \sim +60^{\circ}$ C			
	Signal terminal	1A		Operating t	emperature range				
Rated voltage			Rated voltage			er supply unit Signal unit	AC 250V		AC250V AC125V
			1			AWG#14	10A	10A	
						AWG#16	10A	8A	10A
						AWG#18	5A	5A	5A
					AWG#20		3A	3A	2.5A
			Rated current			AWG#22	3/1	57	1A
					AWG	Power supply	3A	3A	- 1A
					#24	Signal unit	1A	2A	117
					AWG#26		1A	1A	1A
					AWG#28		111	111	

Ordering Information

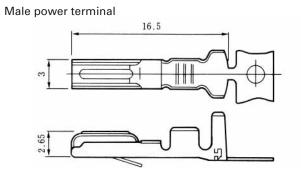
▲ Connector Unit	$\frac{\mathbf{QR}/\mathbf{P6}}{ } = \frac{\mathbf{12P}}{ } = \frac{\mathbf{C}}{ } = \frac{(01)}{ }$ (1) (2)(3) (4) (11)
▲ Contact	$\frac{QR/P1}{ $
 Series name No.of contacts (6, 12, 1 Shape of insulator mating the series of the series o	ng part B: For thick wires (8) Shape 1: Loose contact 2: Chain contact (9) Applicable wire 1: Power terminal AWG # 18 - # 24 Signal terminal AWG # 24 - # 28

Housing



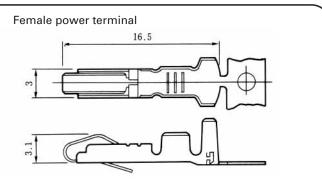
Note: Determine the combinations with the panel so that the mating clearance between the P side and S side is 1.5mm.

Contact



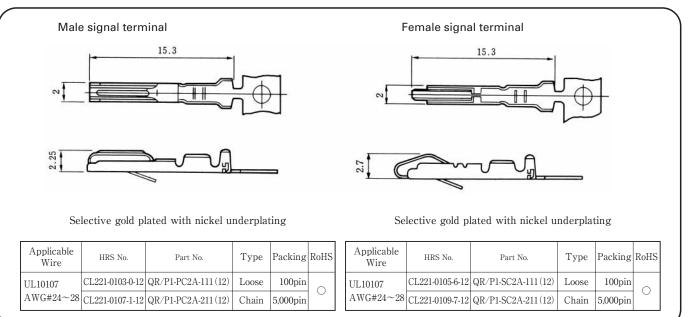
Selective gold plated with nickel underplating

Applicable Wire	HRS No.	Part No.	Туре	Packing	RoHS
UL1015		QR/P1-PC1B-121(12)	Loose contact	100pin	
AWG#14~16	CL221-0118-8-12	QR/P1-PC1B-221(12)	Chain contact	3,000pin	
UL10107	CL221-0102-8-12	QR/P1-PC1A-111 (12)	Loose contact	100pin	0
AWG#18~24	CL221-0106-9-12	QR/P1-PC1A-211 (12)	Chain contact	5,000pin	

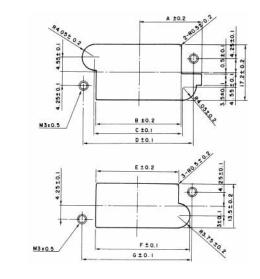


Applicable Wire	HRS No.	Part No.	Туре	Packing	RoHS
UL1015		QR/P1-SC1B-121(12)	Loose contact	100pin	
AWG#14~16	CL221-0120-0-12	QR/P1-SC1B-122(12)	Chain contact	3,000pin	
UL10107	CL221-0104-3-12	QR/P1-SC1A-111 (12)	Loose contact	100pin	
AWG#18~24	CL221-0108-4-12	QR/P1-SC1A-211 (12)	Chain contact	5,000pin	

Contact



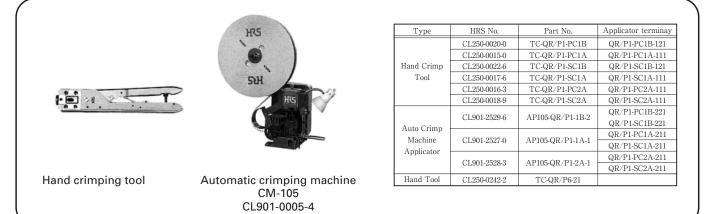
Panel Mounting Dimensions (for Cases with P Insulation)



Mounting on panel outside

					Unit: mr
No. of pin	8 Pin	12 Pin	16 Pin	24 Pin	
	А	14.87	19.27	21.85	26.95
Mounting on	В	17.17	25.97	31.18	41.34
panel inside	С	18.17	26.97	32.05	42.21
	D	24.67	33.47	38.55	48.71
	Е	16.37	25.17	30.25	40.41
Mounting on panel outside	F	19.87	28.67	33.75	43.91
paner outside	G	24.67	33.47	38.55	48.71

Applicable Tools



Contacts for thick wire Contact Configuration

Male Housing (Viewed from Wiring Side)

: indicates a contact hole for thick wire

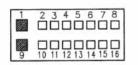


QR/P6-6P-C (01)



QR/P6-16P-C (01)

QR/P6-12P-C (01)



QR/P6-24P-C (01)

1	2	3	4	5	6	7	8	9	10	11	12
1											
13	П		П	П	П		П				
17	14	15	16	17	18	19	20	21	22	23	24

QR/P1-32P-C (01)