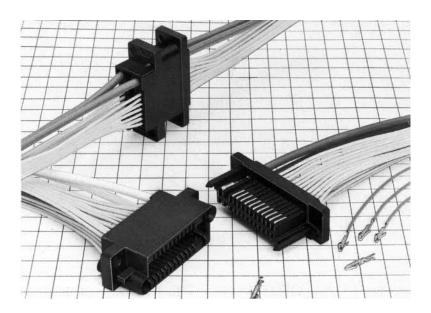
QR/P6 SERIES

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

- (1) 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.

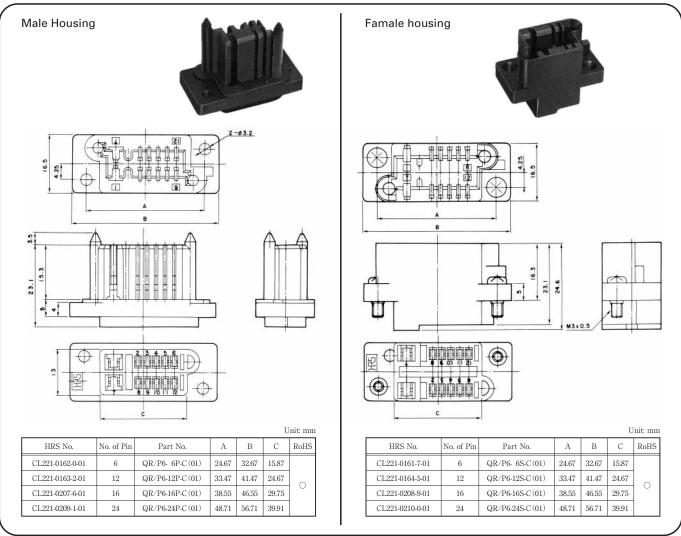
Main Specification

General ratings of QR/P6				Main materials						
Contact	Power terminal $10m\Omega$ or less at DC1A		Insulator			PBT resin		Black		
Resistance	Signal terminal	$15.m\Omega$ or less at DC1A	Terminal		Phosphor bronze		10	Selective Gold plating with nickel underplating		
Insulation Resistance	$5000 M\Omega$ or less	at DC 500V					with	-	-	
Withstand Power unit AC 1000V				* UL94V-0						
Voltage (for 1 min.)	Signal unit		QR/P6 ratings approved by safety standards							
Rated current	Power terminal	10A	Safety standard			UL	CSA	TÜV		
		-		Operating temperature range				-10~+60℃		
	Signal terminal 1A		Po	ted voltage	Powe	er supply unit	Δ	C 250V	AC250V	
Rated voltage	AC 120V		I\d	iteu voitage	S	Signal unit	A	2307	AC125V	
						AWG#14	10A	10A		
						AWG#16	10A	8A	10A	
					AWG#18 AWG#20 AWG#22		5A	5A	5A	
							3A	3A	2.5A	
			Ra	ted current			ЗA	3A	1A	
					AWG	Power supply	3A	3A	1.4	
					#24	Signal unit	1A	2A	- 1A	
					AWG#26		1A	1.4	1A	
						AWG#28	1A	1A		

Ordering Information

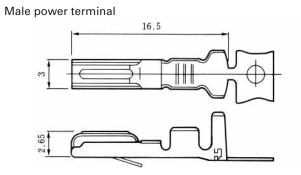
▲ Connector Unit	$\frac{\mathbf{QR}/\mathbf{P6}}{ } = \frac{12}{ } \frac{\mathbf{P}}{ } = \frac{\mathbf{C}}{ } = \frac{\mathbf{(01)}}{ }$ (1) (2)(3) (4) (11)
▲ Contact	$\frac{QR / P1}{ } = \frac{PC 1 A}{ $
 Series name No.of contacts (6, 12, 16) Shape of insulator matin P: Insulator male case S: Insulator female case Type of termination C: Crimp termination Male/ Female PC: Male crimp terminat SC: Female crimp terminat SC: Female crimp terminat Type 1: Power terminat Signal terminat 	g 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



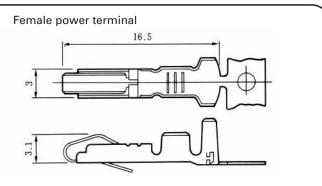
Note: Determine the combinations with the panel so that the mating clearance between the P side and S side is 1.5mm.

Contact



Selective gold plated with nickel underplating

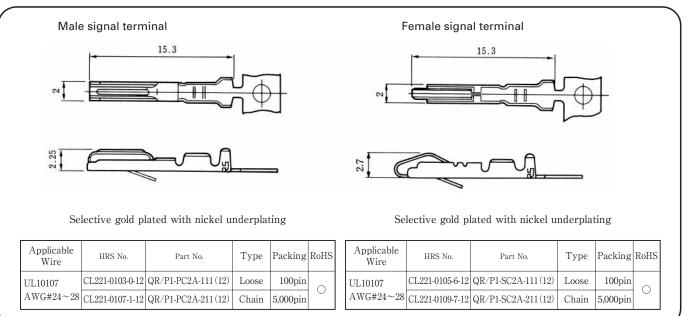
Applicable Wire	HRS No.	Part No.	Туре	Packing	RoHS
UL1015		QR/P1-PC1B-121(12)	Loose contact	100pin	
AWG#14~16	CL221-0118-8-12	QR/P1-PC1B-221(12)	Chain contact	3,000pin	
UL10107	CL221-0102-8-12	QR/P1-PC1A-111 (12)	Loose contact	100pin	0
AWG#18~24	CL221-0106-9-12	QR/P1-PC1A-211 (12)	Chain contact	5,000pin	



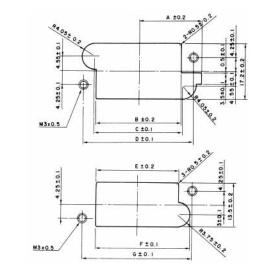
Selective	gold	plated	with	nickel	underplating
-----------	------	--------	------	--------	--------------

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 AWG#18~24	CL221-0104-3-12	QR/P1-SC1A-111 (12)	Loose contact	100pin	
	CL221-0108-4-12	QR/P1-SC1A-211 (12)	Chain contact	5,000pin	

Contact



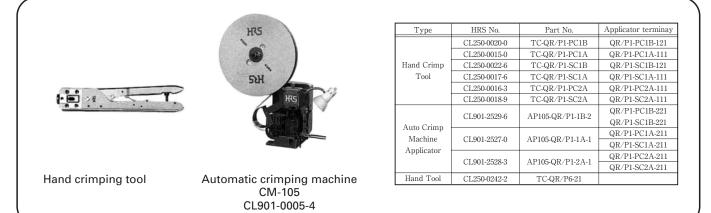
Panel Mounting Dimensions (for Cases with P Insulation)



Mounting on panel outside

					Unit: mn
No. of pin	No. of 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

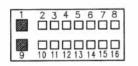


QR/P6-6P-C (01)



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)