




APPLICABLE STANDARD		UL498, CSA22.2 No.42			
Rating	Operating Temperature Range	- 10℃ to 60℃		Storage Temperature Range	- ℃ to - ℃
	Voltage	(Note 1)		Operating Humidity Range	- % to - %
	Current	(Note 1)		Applicable Wire	UL1007
SPECIFICATIONS					
ITEM		TEST METHOD		REQUIREMENTS	QT AT
CONSTRUCTION					
General Examination		Visually and by measuring instrument.		According to the drawing.	X X
Marking		Confirmed visually.			X X
ELECTRIC CHARACTERISTICS					
Insulation Resistance		500 V DC.		5000 MΩ min.	X X
Voltage Proof (Note 2)		Power contact 2000 V AC. for 1 min. Signal contact 500 V AC. for 1 min.		No flashover or breakdown.	X X
MECHANICAL CHARACTERISTICS					
Mating and Unmating Forces		Measured with an applicable connector.		19.6N max.	X -
Vibration		Frequency : 10 to 55 Hz, singe amplitude 0.75 mm, at 2 h each in 3 axial directions.		No damage, crack and looseness of parts.	X -
Shock		490 m/s <sup>2</sup> duration of pulse 11 ms for 3 times in 3 both axial directions.			
ENVIRONMENTAL CHARACTERISTICS					
Rapid Change of Temperature		Temperature -55 → 5 to 35 → 85 → 5 to 35 ℃ Time 30 →2 to 3 → 30 →2 to 3 min. Under 5 cycles.		No damage, crack and looseness of parts.	X -
Humidity Life		Exposed at 25 to 65 ℃, 93 ± 3 %, 240 h.		1) Insulation resistance 1 MΩ min (at high humidity) 3000 MΩ min (at dry) 2) No damage, crack and looseness of parts.	X -
Corrosion Salt Mist		Exposed in 5 % salt water spray for 48 h.		No heavy corrosion that lose function.	X -
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
					
REMARK				APPROVED	TU.TANIGUCHI 20181127
(Note 1) Rated voltage and current are shown in customer's drawing.				CHECKED	TU.TANIGUCHI 20181127
(Note 2) 2000 V AC for contact No. 1, 8, 9, 16. 500 V AC for others				DESIGNED	TS.ITO 20181127
Unless otherwise specified, refer to IEC 60512.				DRAWN	SJ.SATO 20181127
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC-025689-21-00	
	SPECIFICATION SHEET		PART NO.	QR/P4-16S-C(21)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL221-0156-7-21	 1/1