

APPLICABLE STANDARD		UL, CSA, TÜV					
Rating	Operating Temperature Range	-10°C to 60°C		Storage Temperature Range	-10°C to 60°C		
	Voltage	(Note 1)		Operating Humidity Range	95 %max		
	Current	(Note 1)		Applicable Wire	—		
SPECIFICATIONS							
ITEM		TEST METHOD		REQUIREMENTS		QT	AT
CONSTRUCTION							
General Examination		Visually and by measuring instrument.		According to 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 3000 V AC. for 1 min. Signal contact 1000 V AC. for 1 min.		No flashover or breakdown.		X	X
MECHANICAL CHARACTERISTICS							
Mating and Unmating Forces		Measured with an applicable connector.		29.4 N max.		X	—
Vibration		Frequency : 10 to 55 Hz, single amplitude 0.75 mm, at 2 h each in 3 axial directions.		No damage, crack and looseness of parts.		X	—
Shock		490 m/s ² duration of pulse 11 ms for 3 times in 3 both axial directions.				X	—
ENVIRONMENTAL CHARACTERISTICS							
Rapid Change of Temperature		Temperature -55 → 5 to 35 → 85 → 5 to 35 °C 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 °C, 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	20181126	
(Note 1) Rated voltage and current are shown in customer's drawing.				CHECKED	TU.TANIGUCHI	20181126	
(Note 2) 3000 V AC for contact No. 1, 12, 13, 24. 1000 V AC for others.				DESIGNED	TS.ITO	20181126	
Unless otherwise specified, refer to IEC 60512.				DRAWN	SJ.SATO	20181122	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC-008216-21-00	
HRS	SPECIFICATION SHEET			PART NO.	QR/P-24S-C(21)		
	HIROSE ELECTRIC CO., LTD.			CODE NO.	CL221-0008-0-21	△	1/1