

APPLICABLE STANDARD		UL498, CSA C 22.2 No.182.3					
Rating	Operating Temperature Range	-10℃ to 60℃		Storage Temperature Range	-℃ to -℃		
	Voltage	(Note 1)		Operating Humidity Range	-		
	Current	(Note 1)		Applicable Wire	-		
SPECIFICATIONS							
ITEM		TEST METHOD		REQUIREMENTS		QT	AT
CONSTRUCTION							
General Examination		Visually and by measuring instrument.		According to drawing.		×	×
Marking		Confirmed visually.				×	×
ELECTRIC CHARACTERISTICS							
Insulation Resistance		500 V DC.		1000 MΩ min.		×	×
Voltage Proof (Note 2)		Power contact 2000 V AC. for 1 min. Signal contact 500 V AC. for 1 min.		No flashover or breakdown.		×	×
MECHANICAL CHARACTERISTICS							
Mating and Unmating Forces		Measured with an applicable connector.		39.2 N max.		×	-
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.		×	-
Shock		490 m/s ² 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 part.		×	-
Humidity Life		Exposed at 25 to 65 ℃, 93 ± 3 %, 240 h.		1) Insulation resistance: 1MΩ min. (at high humidity) 1000MΩ min. (at dry) 2) No damage, crack and looseness of part.		×	-
Corrosion Salt Mist		Exposed in 5 % salt water spray for 48 h.		No heavy corrosion that lose function.		×	-
	COUNT	DESCRIPTION OF REVISIONS		DESIGNED		CHECKED	DATE
①							
REMARK (Note 1) Rated voltage and current are shown in customer's drawing. (Note 2) 2000 V AC for contact No. 11, 20. 500 V AC for others. Unless otherwise specified, refer to IEC 60512.				APPROVED	TU. TANIGUCHI	20181126	
				CHECKED	TU. TANIGUCHI	20181126	
				DESIGNED	TS. ITO	20181126	
				DRAWN	SJ. SATO	20181122	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC-027645-21-00	
HRS	SPECIFICATION SHEET			PART NO.	QR/P8-20P-C (21)		
	HIROSE ELECTRIC CO., LTD.			CODE NO.	CL221-0171-0-21	△	1/1