APPLICABLE STANDARD		UL, CSA, TÜV		
Rating	Operating Temperature Range	− 10 ℃ to 60 ℃	Storage Temperature Range	− 10 ℃ to 60 ℃
	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
ELECTRICAL 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.	9.8 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 ℃ 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	—

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	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
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REMARK

(Note 1) Rated voltage and current are shown in customer's drawing.
(Note 2) 3000 V AC for contact No. 1, 4, 5, 8. 1000 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-008209-21-00	
HRS	SPECIFICATION SHEET	PART NO.	QR/P-8P-C(21)	
	HIROSE ELECTRIC CO., LTD.	CODE NO	CL221-0001-0-21 △0	1/1

FORM HD0011-2-1