APPLICABLE STANDARD				
Rating	Operating Temperature Range	−10 ℃ to +60 ℃	Storage Temperature Range	- ℃ to - ℃
	Voltage	30 V	Operating Humidity Range	- % to - %
	Current	1 A	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 CHARACTEREISTICS				
Contact Resistance	Measured at 100 mA max (DC or 1000 Hz).	50 mΩ max.	X	X
Insulation Resistance	500 V DC	1000 MΩ min.	X	X
Voltage Proof	500 V AC. for 1 min.	No flashover or breakdown.	X	X
MECHANICAL CHARACTERISTICS				
Mating and Unmating Forces	Measured with an applicable connector.	Mating force : 4 N min. Unmating force : 40 N max.	X	—
Mechanical Operation	Mated and unmated 1000 times.	① Contact resistance : 60 mΩ max. ② No damage, crack and looseness of parts.	X	—
Vibration	Frequency : 10 to 55 Hz, singe amplitude 0.75 mm, at 2h for 3 axial directions.	① No electrical discontinuity of 10 μs min. ② 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 → 5 max → 30 → 5 max min Under 5 cycles.	① Contact resistance : 60 mΩ max. ② Insulation resistance : 1000 MΩ min. ③ No damage, crack and looseness of parts.	X	—
Humidity Life	Exposed at 40 °C, 90 to 95 %, 96 h.	① Contact resistance : 60 mΩ max. ② Insulation resistance : 1000 MΩ min. ③ No damage, crack and looseness of parts.	X	—
Hydrogen Sulphide	Exposed in 3 ppm, 96 h.	① Contact resistance : 60 mΩ max. ② No heavy corrosion which impairs functionality.	X	—

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△0					

REMARK

Unless otherwise specified, refer to IEC 60512.

APPROVED	RI. TAKAYASU	18. 05. 31
CHECKED	KI. NAGANUMA	18. 05. 30
DESIGNED	JY. IGA	18. 05. 30
DRAWN	JY. IGA	18. 05. 30

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

HRS	SPECIFICATION SHEET	DRAWING NO.	ELC-120810-50-03
		PART NO.	QR/P15-40S(50)
	HIROSE ELECTRIC CO., LTD.	CODE NO	CL221-0253-3-50 △0 1/1

FORM HD0011-2-1