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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

APPLICABLE STANDARD				
Rating	Operating Temperature Range	-55 °C to +85 °C(1)	Storage Temperature Range	-10 °C to +60 °C(2)
	Operating Humidity Range	Relative humidity 85 % max (Not dewed)	Storage Humidity Range	Relative humidity 85 % max (Not dewed)
	Voltage	200 V AC	Applicable Cable	—
	Current	1 A	Insulation	—

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
General Examination	Visually and by measuring instrument.	According to drawing.	×	×
Marking	Confirmed visually.		×	×
ELECTRIC CHARACTERISTICS				
Contact Resistance	100 mA (DC or 1000 Hz).	15 mΩ MAX .	×	—
Insulation Resistance	500 V DC.	1000 MΩ MIN.	×	—
Voltage Proof	650 V AC for 1 min.	No flashover or breakdown.	×	—
MECHANICAL CHARACTERISTICS				
Mechanical Operation	100 times insertions and extractions.	1) Contact Resistance: 20 mΩ MAX. 2) No damage, crack and looseness of parts.	×	—
Vibration	Frequency 10 to 55 Hz, single amplitude : 0.75 mm, 2 h in 3 directions.	1) No electrical discontinuity of 1 μs. 2) No damage, crack and looseness of parts.	×	—
Shock	490 m/s^2, duration of pulse 11 ms at 3 times for 3 both axial directions.		×	—
ENVIRONMENTAL CHARACTERISTICS				
Damp Heat (Steady state)	Exposed at 40 ± 2 °C, 90 to 95 %, 96 h.	1) Contact Resistance: 20 mΩ MAX. 2) Insulation Resistance: 1000 MΩ MIN. 3) No damage, crack and looseness of parts.	×	—
Rapid Change of Temperature	Temperature -55 → +5 TO +35 → +85 → +5 TO +35 °C Time 30 → 10 TO 15 → 30 → 10 TO 15 min. Under 5 cycles.		×	—
Corrosion salt mist	Exposed in 5 % salt water spray for 48 h.	1) Contact Resistance: 20 mΩ MAX. 2) No heavy corrosion.	×	—
Sulphur Dioxide	Exposed in 10 PPM FOR 96 h. (Test standard: JEIDA 39)		×	—
Resistance to Soldering Heat	Reflow soldering :250 °C MAX, 220 °C MIN, for 60 s MAX	No deformation of case of excessive looseness of the terminals.	×	—
	Soldering irons : 360°C FOR 5 s MAX.		×	—
Solderability	Soldered at solder temperature, 245 ± 3 °C, for immersion duration, 3 s.	A new uniform coating of solder shall cover a minimum of 95 % of the surface being immersed.	×	—

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
1	1	DIS-F-00004353	HR.NAGAYASU	HT.YAMAGUCHI	20190301

REMARK
(1)TEMPERATURE RISE INCLUDED WHEN ENERGIZED.
(2)THIS STORAGE INDICATES A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE THE BOARD MOUNTED.

Unless otherwise specified, refer to IEC-60512.

Clerical corrections. 1

APPROVED	HS.OKAWA	20050723
CHECKED	HS.OZAWA	20050723
DESIGNED	TH.NODA	20050723
DRAWN	AK.SUZUKAWA	20050723

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

DRAWING NO. ELCX-082599-71-21

HRS	SPECIFICATION SHEET	PART NO.	A3-*PA-2SV(71)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL621	1 1/1

FORM HD0011-2-1