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

	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE		COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△					. .	△					. .
△					. .	△					. .

APPLICABLE STANDARD

RATING						
	VOLTAGE	CONTACT No. 1~13	AC 100 V / DC 140 V		APPLICABLE CABLES	——
	CURRENT	CONTACT No. 1~13	2 A		IMPEDANCE FREQUENCY RANGE	—— Ω (0~ Hz)
	POWER	——			OPERATING TEMPERATURE RANGE	−10 ℃~+60 ℃
	SPECIALTY	——				

SPECIFICATIONS

NO.	ITEM	CONDITIONS	TEST STANDARD	MIN	MAX	UNITS	QT	AT
1	DESIGN·MATERIAL·FINISH	Applicable Std. and ADC DC3−29989		—	—	—	○	○
2	MARKING			—	—	—	○	○
3	INSULATION RESISTANCE	Must be over standard value at DC250 V.		1000	—	MΩ	○	○
4	CONTACT RESISTANCE Unit CONTACT	The voltage drop must be under the Std. value at DC 1 A.		—	30	mΩ	○	○
	CONTACT	The voltage drop must be under the Std. value at DC A.		—	—	mΩ	—	—
5	DIELECTRIC WITHSTANDING VOLTAGE	Must keep the AC ~~DC~~ 300 V for one minute.		—	—	—	○	○
6	VSWR	Must be under the Std. value at frequency ~ Hz.		—	—	—	—	—
7	INSERTION LOSS	Must be under the Std. value at frequency ~ Hz.		—	—	dB	—	—
8	LOW LEVEL CIRCUIT	The Contact Resistance must be under the Std. value at DC20mV less and mA.		—	—	mΩ	—	—
9	CONTACT ENGAGEMENT AND SEPARATION FORCES	Must be suitable for the Std. value at applicable gauge. gauge size		—	—	N	—	—
	MATING AND UNMATING FORCES	Must be suitable for the Std. value. (Without lock)		—	50	N	○	—
10	HUMIDITY	Insulation resistance must be over the Std. value at 85 ℃, 90 ~ 95 %, 96 hours. at high humidity	JIS C 0022	10	—	MΩ	○	—
		after high humidity		100	—	MΩ	○	—
11	VIBRATION	Must have no damage, crack and looseness of parts at Frequency range 10 ~ 55 Hz, Total amplitude 1.5 mm, m/s² at h for directions.	JIS C 0040	—	—	—	○	—
12	SHOCK	Must have no damage, crack and looseness of parts 490 m/s² at 3 times for 3 directions.	JIS C 0041	—	—	—	○	—
13	TEMPERATURE CYCLING	Must have no damage, crack and looseness of parts for −55 ~ +85 ℃, 5 cycles.	JIS C 0025	—	—	—	○	—
14	DURABILITY Unit CONTACT	Must be less than the Std. value after 100 times insertion and extraction at the condition described in above item No. 4.	JIS C 5037	—	45	mΩ	○	—
	CONTACT		"	—	—	mΩ	—	—
15	SALT SPRAY (CORROSION)	Must not have heavy corrosion after 5 % salt water spray for 48 hours.	JIS C 0023	—	—	—	○	—
16	RESISTANCE TO SOLDERING HEAT	After immersion of the contact dip post part in the solder bath at 260±5℃ for 10±1 sec, ther shall be no melting insulator or defect.		—	—	—	○	—
17	LOCK STRENGHT	Must have no removal of connector under Std. value.		50	—	N	○	—

REMARKS			
	APPROVED	M. Ajioshi	12.10.92
	REVIEWED		. .
	CHECKED		. .
	DESIGNED	M. Sato	12.2.'92
	DRAWN	Y. Tanayama	12.2.'92

HRS HIROSE ELECTRIC CO., LTD.

RELEASED

PART NO. RP13A-12RC-13PB

DRAWING NO. SLC4−29989 −

SPECIFICATION SHEET

CODE NO. CL113−1020−8−

TO
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NOTE QT: Qualification Test AT: Assurance Test O: Applicable item FORM No.