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

APPLICABLE STANDARD						
RATING	VOLTAGE	CONTACT No. ~	AC V / DC V		APPLICABLE CABLES	———
	CURRENT	CONTACT No. ~	A		IMPEDANCE FREQUENCY RANGE	50 Ω (0~ 3G Hz)
	POWER	———			OPERATING TEMPERATURE RANGE	-40 ℃~ 90 ℃
	SPECIALTY	———			OPERATING HUMIDITY RANGE	0 ~ 90 %

SPECIFICATIONS

NO.	ITEM	CONDITIONS	TEST STANDARD	MIN	MAX	UNITS	QT	AT
1	DESIGN·MATERIAL·FINISH	Applicable Std. and ADC/DC 3-47051		—	—	—	○	○
2	MARKING			—	—	—	—	—
3	INSULATION RESISTANCE	Must be over standard value at DC 250V.		500	—	MΩ	○	○
4	CONTACT RESISTANCE CENTER CONTACT	The voltage drop must be under the Std. value at DC 10m A.		—	20	mΩ	○	—
	OUTER CONTACT	The voltage drop must be under the Std. value at DC 10m A.		—	10	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 D.C ~ 3G Hz.		—	1.2	—	○	—
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.		—	—	N	—	—
10	HUMIDITY	Insulation resistance must be over the Std. value at 40 ℃. 95 %, 96 hours. at high humidity	MIL-STD-202 TEST METHOD 103 CONDITION B	10	—	MΩ	○	—
		after high humidity		500	—	MΩ	○	—
11	VIBRATION	Must have no damage, crack and looseness of parts at Frequency range 10~ 100 Hz, Total amplitude 3 mm, 59 m/s² at 1 h for 3 directions.		—	—	—	○	—
12	SHOCK	Must have no damage, crack and looseness of parts 735 m/s² at 3 times for 6 directions.	MIL-STD-202 TEST METHOD 213 CONDITION B	—	—	—	○	—
13	TEMPERATURE CYCLING	Must have no damage, crack and looseness of parts for -40 ~ 90 ℃, 5 cycles.	MIL-STD-202 BASED ON TEST METHOD 107	—	—	—	○	—
14	DURABILITY CENTER CONTACT	Must be less than the Std. value after 50 times insertion and extraction at the condition described in above item No. 4.		—	25	mΩ	○	—
	OUTER CONTACT			—	15	mΩ	○	—
15	SALT SPRAY (CORROSION)	Must not have heavy corrosion after 5 % salt water spray for 48 hours.	MIL-STD-202 TEST METHOD 101 CONDITION B	—	—	—	○	—
16	WATER PRESSURE WITHSTANDING	No leakage at depth m kPa hours.		—	—	—	—	—
17	AIR PRESSURE WITHSTANDING	No leakage at pressure kPa min s		—	—	—	—	—

REMARKS	APPROVED	T. Kobayashi	'93.1.28
	REVIEWED		. .
	CHECKED	I. Iritani	'93.1.25
	DESIGNED	M. Nagashima	'93.1.25
	DRAWN	E. Takeda	'93.1.20

HRS HIROSE ELECTRIC CO., LTD.

RELEASED

PART NO. H.FL-R-SMT(C)(10)

DRAWING NO. SLC4-47051-

SPECIFICATION SHEET

CODE NO. CL331-0522-9-10

TO
RF

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