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

△	COUNT	REVISIONS	BY	CHKD	DATE	△	COUNT	REVISIONS	BY	CHKD	DATE
△					. .	△					. .
△					. .	△					. .

APPLICABLE STANDARD						
RATING	VOLTAGE	CONTACT No. — ~ —	AC —— V / DC —— V		APPLICABLE CABLES	AWG # 28 — #24 (UL1007)
	CURRENT	CONTACT No. — ~ —	2 A	(AWG #24)	IMPEDANCE FREQUENCY RANGE	Ω (O~ Hz)
	POWER				OPERATING TEMPERATURE RANGE	℃~ ℃
	SPECIALTY					

SPECIFICATIONS

No.	ITEM	CONDITIONS	TEST STANDARD	MIN	MAX	UNITS	QT	AT
1	DESIGN-MATERIAL-FINISH	Applicable Std. and ADC DC3-27839		—	—	—	O	O
2	MARKING			—	—	—	O	O
3	INSULATION RESISTANCE	Must be over standard value at DC V.		—	—	MΩ	—	—
4	CONTACT RESISTANCE Unit CONTACT	The voltage drop must be under the Std. value at DC / A.	(1)	—	30	mΩ	O	—
	CONTACT	The voltage drop must be under the Std. value at DC —— A.		—	—	mΩ	—	—
5	DIELECTRIC WITHSTANDING VOLTAGE	Must keep the AC / DC 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)		—	—	gf	—	—
	MATING AND UNMATING FORCES	Must be suitable for the Std. value.		—	—	kgf	—	—
10	HUMIDITY	Insulation resistance must be over the Std. value at ℃ ~ %, hours. — at high humidity		—	—	MΩ	—	—
		after high humidity		—	—	MΩ	—	—
11	VIBRATION	Must have no damage, crack and looseness of parts at Frequency range ~ Hz, Total amplitude mm, G at hours for directions.		—	—	—	—	—
12	SHOCK	Must have no damage, crack and looseness of parts G at times for directions.		—	—	—	—	—
13	TEMPERATURE CYCLING	Must have no damage, crack and looseness of parts for -55~+85℃ 5 cycles.	MIL-STD-202 -107A (D)	—	—	—	O	—
14	DURABILITY Unit CONTACT	Must be less than the Std. value after 1000 times insertion and extraction at the condition described in above item No.4.	(1)	—	40	mΩ	O	—
	CONTACT			—	—	mΩ	—	—
15	SALT SPRAY (CORROSION)	Must not have heavy corrosion after 5 % salt water spray for 48 hours.	MIL-STD-202 -101D (B)	—	—	—	O	—
16	WATER PRESSURE WITHSTANDING	No leakage at depth m kgf/cm² hours.		—	—	—	—	—
17	AIR PRESSURE WITHSTANDING	No leakage at pressure kgf/cm² mmHg min sec		—	—	—	—	—
18	Tensile strength between the terminal and crimped wire core	When tensile force are applied, the retaining force between the terminal and crimped suitable wire core shall be more than the standard — AWG #28	——	1.6	—	kgf	O	—
		AWG #26		2.4				
		AWG #24		3.6				

REMARKS
(1) Contact resistance test condition

APPROVED	A. Nakazawa	15.3.'91
REVIEWED		. .
CHECKED	H. Miwa	14.3.'91
DESIGNED	T. Watanabe	14.3.'91
DRAWN	T. Watanabe	14.3.'91

HRS HIROSE ELECTRIC CO., LTD.

ISSUED BY

PART No. QR/P8-PC-221

DRAWING No. SLC4-27839-

SPECIFICATION SHEET

CODE No. CL221-0176-4-

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