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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
	CURRENT	CONTACT No. — — —	2 A
	POWER		
	SPECIALTY		
APPLICABLE CABLES		AWG #26~#30 (Insulation Dia 1 Max)	
IMPEDANCE FREQUENCY RANGE		— Ω (0 ~ — Hz)	
OPERATING TEMPERATURE RANGE		-15 °C ~ +60 °C	

SPECIFICATIONS

No.	ITEM	CONDITIONS	TEST STANDARD	MIN	MAX	UNITS	QT	AT
1	DESIGN-MATERIAL-FINISH	ADC		—	—	—	○	○
2	MARKING	Applicable Std. and DC 3-21313		—	—	—	○	○
3	INSULATION RESISTANCE	Must be over standard value at DC V.		—	—	MΩ	—	—
4	CONTACT RESISTANCE	The voltage drop must be under the Std. value at DC 1 A.		—	10	mΩ	○	—
	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	V S W R	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 φ0.53±0.003		15	—	gf	○	—
	MATING AND UNMATING FORCES	Must be suitable for the Std. value.		—	—	kgf	—	—
10	HUMIDITY	Insulation resistance must be over the Std. value at τ ~ % 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 ~ τ cycles.		—	—	—	—	—
14	DURABILITY	Must be less than the Std. value after 1000 times insertion and extraction at the condition described in above item No.4.	JIS C 5037	—	15	mΩ	○	—
	CONTACT			—	—	mΩ	—	—
15	SALT SPRAY (CORROSION)	Must not have heavy corrosion after 5 x salt water spray for 48 hours.	JIS C 5028	—	—	—	○	—
16	WATER PRESSURE WITHSTANDING	No leakage at depth m kof/cm ² hours.		—	—	—	—	—
17	AIR PRESSURE WITHSTANDING	No leakage at pressure kof/cm ² mmHg		—	—	—	—	—
18	Crimped termination Conductor tensile Strength.	The only Conductor part of suitable cable shall be crimped with the wire, on extraction force is applied which is more than the standard.	AWG #30 (7/0.1)	1	—	kgf	○	—
			AWG #28 (7/0.12)	1.6				
			AWG #26 (7/0.16)	2.4				

REMARKS	APPROVED	<i>M. Yoshida</i>	7.23.91	 HIROSE ELECTRIC CO., LTD.	ISSUED BY
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