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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	-30°C TO 85°C(NOTE 1)		STORAGE TEMPERATURE RANGE	-10°C TO 60°C(NOTE 2)
	OPERATING HUMIDITY RANGE	20% TO 80%		STORAGE HUMIDITY RANGE	20% TO 70%(NOTE 2)
	VOLTAGE	250V AC	UL・CSA	30V AC	
	CURRENT	3A	RATING	2A	

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X
MARKING	CONFIRMED VISUALLY.		X	X
ELECTRIC CHARACTERISTICS				
CONTACT RESISTANCE	100mA (DC OR 1000 Hz).	30mΩ MAX.	X	—
INSULATION RESISTANCE	500V DC.	1000MΩ MIN.	X	—
VOLTAGE PROOF	650V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	—
MECHANICAL CHARACTERISTICS				
MECHANICAL OPERATION	30TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 30mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	–
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	–
SHOCK	490 m/s^2 DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	–
ENVIRONMENTAL CHARACTERISTICS				
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55→ 5 TO 35→+85→ 5 TO 35 °C TIME 30→ 2 TO 3 → 30→ 2 TO 3 min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 30mΩ MAX. ② INSULATION RESISTANCE: 500MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	–
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.	① CONTACT RESISTANCE: 10mΩ MAX. ② INSULATION RESISTANCE: 1000MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	–
CORROSION,SALT MIST	EXPOSED IN 5% SALT WATER SPRAY FOR 48 h.	① CONTACT RESISTANCE: 60mΩ MAX. ② NO HEAVY CORROSION.	X	–
HYDROGEN SULFIDE GAS	EXPOSED IN 3 PPM ,40℃,75%RH FOR 96 h.	① CONTACT RESISTANCE: 60mΩ MAX. ② NO HEAVY CORROSION.	X	–
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, 250 ℃ FOR IMMERSION,DURATION, 5 sec.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	X	–
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 230°C FOR INSERTION DURATION, 3sec.	SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.	X	–

REMARKS
NOTE 1:INCLUDING THE TEMPERATURE RISE BY CURRENT
NOTE2:APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFORE PCB ON BOARD, AFTER PCB BOARD, OPERATINGTEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERIM STORAGE DURING TRANSPORTATION.

Unless otherwise specifid , refer to JIS C 5402.

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
⚠0					

APPROVED	TS. SAKATA	08. 12. 04
CHECKED	TS. KUMAZAWA	08. 12. 03
DESIGNED	KT. ISHII	08. 12. 03
DRAWN	KT. ISHII	08. 12. 03

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

DRAWING NO. ELC4-020837-01

HRS	SPECIFICATION SHEET	PART NO.	DF11-12DP-2DS(24)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL543-0537-2-24 ⚠0	1/1

FORM HD0011-2-1