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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(NOTE1)	STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C(NOTE3)
	OPERATING HUMIDITY RANGE	40 °C TO 80 °C(NOTE2)	STORAGE HUMIDITY RANGE	40°C TO 70 °C(NOTE3)
	VOLTAGE	250 V AC	UL·CSA	30V AC
	CURRENT	2A	RATING	2A

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	×	×
MARKING	CONFIRMED VISUALLY.		×	×
ELECTRIC CHARACTERISTICS				
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	30 mΩ MAX.	×	–
INSULATION RESISTANCE	500 V DC	1000 mΩ MIN.	×	–
VOLTAGE PROOF	650 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	×	–
MECHANICAL CHARACTERISTICS				
MECHANICAL OPERATION	50 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	×	–
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 10 μs.	×	–
SHOCK	490 m/s^2 DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.	② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	×	–
ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90 TO 95 %, 96 h.	① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE:500 MΩMIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	×	–
RAPID CHANGE OF TEMPERATURE	TEMPERATURE −55→+5～+35→+85→+5～+35℃ TIME 30→10～15→30→10～15 min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	×	–
RESISTANCE TO SOLDERING HEAT	①AUTOMATIC SOLDERING(FROW) SOLDER TEMPERATURE, 260 ℃ FOR IMMERSION,DURATION, 10 sec. ②MANUAL SOLDERING SOLDERING IRON TEMPERATURE : 300 ℃ SOLDERING TIME: 2 sec. NO STRENGTH ON CONTACT.	NO DEFORMATION ON CASE OR EXCESSIVE LOOSENESS OF THE TERMINALS.	×	–
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 245±5℃ FOR IMMERSION DURATION,3 sec.	SOLDER SHALL COVER A MINIMUM OF 95% OF THE SURFACE BEING IMMERSED	×	–

REMARKS
NOTE1:INCLUDING THE TEMPERATURE RISE BY CURRENT.
NOTE2:NO CONDENSING
NOTE3:APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFORE PCB ON BOARD, AFTER PCB BOARD, OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERIM STORAGE DURING TRANSPORTATION.

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
⚠0					

Unless otherwise specified, refer to JIS C 5402.

APPROVED	TS. SAKATA	08. 12. 05
CHECKED	TS. KUMAZAWA	08. 12. 05
DESIGNED	KT. ISHII	08. 12. 05
DRAWN	KT. ISHII	08. 12. 05

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

DRAWING NO. ELC4-020818-01

HRS	SPECIFICATION SHEET	PART NO.	DF11-10DP-2DSA(01)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL543-0520-0-01 ⚠0	1/1

FORM HD0011-2-1