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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	-40°C TO + 85°C(NOTE 1)	STORAGE TEMPERATURE RANGE		-10°C TO + 60°C(NOTE 2)
	OPERATING HUMIDITY RANGE	40% TO 80%(NOTE 3)	STORAGE HUMIDITY RANGE		40% TO 70%(NOTE 2)
△5	VOLTAGE	250V AC/DC	UL・CSA RATING	VOLTAGE	30V AC
	CURRENT	AWG#22 : 2A AWG#24-28 : 1A AWG#30 : 0.5A		CURRENT	AWG#22 : 2A AWG#24-28 : 1A AWG#30 : 0.5A
	APPLICABLE CONNECTOR	DF11-**DS-2C(##)	APPLICABLE CONTACT		DF11-**SC(F)(##)

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/s² 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				
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.	① CONTACT RESISTANCE: 30mΩ MAX. ② INSULATION RESISTANCE: 500MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	–
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55→ 5 TO 35→+85→ 5 TO 35°C TIME 30→ 5MAX → 30→ 5MAX min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 30mΩ MAX. ② INSULATION RESISTANCE: 1000MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	–
RESISTANCE TO SOLDERING HEAT	1)AUTOMATIC SOLDERING (FLOW) SOLDER TEMPERATURE : 260℃ FOR IMMERSION,DURATION , 10 sec . 2)MANUAL SOLDERING SOLDERING IRON TEMPERATURE : 300℃ SOLDERING TIME : 2 sec. NO STRENGTH ON CONTACT.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	×	–
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 230°C FOR INSERTION DURATION, 3sec.	SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.	X	–

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△5	1	DIS-H-00004051	TS.MIYAKI	SZ.ONO	18.07.20

REMARKS
NOTE1:INCLUDING THE TEMPERATURE RISE BY CURRENT
NOTE2: APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFORE MOUNTED ON PCB. AFTER MOUNTED ON PCB, OPERATION TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERIM STORAGE DURING TRANSPORTATION.
NOTE3:NON-CONDENSING.
Unless otherwise specified , refer to IEC 60512.

APPROVED	KJ.KATAYOSE	05.01.05
CHECKED	TY.OMA	05.01.05
DESIGNED	IO.DENPOUYA	05.01.05
DRAWN	IO.DENPOUYA	05.01.05

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

DRAWING NO. ELC4-084377-01

HRS	SPECIFICATION SHEET	PART NO.	DF11-**DP-2DSA(08)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL543 △5	1/1

FORM HD0011-2-1