

APPLICABLE STANDARD						
RATING	OPERATING TEMPERATURE RANGE	-30 °C TO +85 °C(NOTE1)	STORAGE TEMPERATURE RANGE		-10 °C TO +60 °C(NOTE2)	
	OPERATING TEMPERATURE RANGE	40 % TO 80 %	STORAGE TEMPERATURE RANGE		40 % TO 70 % (NOTE2)	
	VOLTAGE	250 V AC	UL·CSA	VOLTAGE	30V AC	
	CURRENT	2A	RATING	CURRENT	2 A	
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 1 μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		×	—
SHOCK		490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.			×	—
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 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		×	—
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55→+5 TO+35→+85→+5 TO+35°C TIME 30→5 TO 15→ 30→5 TO 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 (FLOW) SOLDER TEMPERATURE : 260±3°C FOR IMMERSION,DURATION : 10 sec . ②MANUAL SOLDERING SOLDERING IRON TEMPERATURE : 290±10°C 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 IMMERSION DURATION,3 sec.	SOLDER SHALL COVER A MINIMUM OF 95% OF THE SURFACE BEING IMMERSED		×	—
REMARKS						
NOTE1:INCLUDE THE TEMPERATURE RISING BY CURRENT.						
NOTE2: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	
△						
Unless otherwise specified, refer to JIS C 5402.				APPROVED	KI. AKIYAMA	12. 09. 07
				CHECKED	HK. UMEHARA	12. 09. 07
				DESIGNED	TS. KUMAZAWA	12. 09. 07
				DRAWN	MI. SAKIMURA	12. 09. 07
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-020841-04	
HRS	SPECIFICATION SHEET		PART NO.	DF11-20DP-2DS (56)		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL543-0541-0-56		△ 1/1