

APPLICABLE STANDARD							
RATING	OPERATING TEMPERATURE RANGE	-35°C TO +85°C (NOTES 1)	STORAGE TEMPERATURE RANGE	-10°C TO +60°C (NOTE3)			
	OPERATING HUMIDITY RANGE	20 % TO 80 % (NOTES 2)	STORAGE HUMIDITY RANGE	40 % TO 70 % (NOTE3)			
	VOLTAGE	150 V AC (DC)	CURRENT	1 A			
	APPLICABLE CONNECTOR	DF13-*S-1.25C	APPLICABLE CONTACT	DF13(G)-2630SCF DF13-3032SCF			
SPECIFICATIONS							
ITEM		TEST METHOD		REQUIREMENTS			
CONSTRUCTION							
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.			
MARKING		CONFIRMED VISUALLY.					
ELECTRIC CHARACTERISTICS							
CONTACT RESISTANCE		100 m A (DC OR 1000 Hz).		30 mΩ MAX.	X —		
INSULATION RESISTANCE		100 V DC.		500 MΩ MIN.	X —		
VOLTAGE PROOF		500 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	X —		
MECHANICAL CHARACTERISTICS							
MECHANICAL OPERATION		30 TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. ① NO ELECTRICAL DISCONTINUITY OF 1μs. 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.					
SHOCK		490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.					
ENVIRONMENTAL CHARACTERISTICS							
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55→ 15 TO 35→+85→ 15 TO 35 °C TIME 30→ 2 TO 3→30→ 2 TO 3 min. UNDER 5 CYCLES.		① CONTACT RESISTANCE: 30mΩ MAX. ② INSULATION RESISTANCE: 500 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X —		
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.					
RESISTANCE TO SOLDERING HEAT		1) REFLOW SOLDERING «REFLOW AREA» 250°C MAX 10 sec MAX 230°C MIN 60 sec MAX «PREHEATING AREA» 170°C TO 190°C 60 sec TO 120 sec PUT THROUGH IN REFLOW FURNACE TWICE, LEAVE IN AMBIENT TEMPERATURE AND HUMIDITY FOR 1 HOUR. 2) MANUAL SOLDERING SOLDERING IRON TEMPERATURE :350°C, SOLDERING TIME : 3sec. NO STRENGTH ON CONTACT.					
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, 245°C FOR INSERTION DURATION, 3sec.		SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSSED.	X —		
REMARKS							
NOTE1: INCLUDE THE TEMPERATURE RISING 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.							
Unless otherwise specified, refer to JIS C 5402.							
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE		
△							
			APPROVED	TS. SAKATA	09. 11. 04		
			CHECKED	TS. FUKUSHIMA	09. 11. 04		
			DESIGNED	KT. ISHII	09. 11. 01		
			DRAWN	KT. ISHII	09. 11. 01		
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-083672-05		
HRS	SPECIFICATION SHEET		PART NO.	DF13C-*P-1. 25V (21)			
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL536	△ 1/1		