

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	40 % TO 80 % (NOTES 2)	STORAGE HUMIDITY RANGE	40 % TO 70 % (NOTE3)	
	VOLTAGE	150 V AC	APPLICABLE CONNECTOR	DF13-10S-1.25C	
	CURRENT	1 A	APPLICABLE CONTACT	DF13-2630SCFA DF13-3032SCFA	
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		20mV MAX, 1mA (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		50 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 30 mΩ 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.		X	—
ENVIRONMENTAL CHARACTERISTICS					
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55→ 5 TO 35→+85→ 5 TO 35 °C TIME 30→ 10 TO 15→ 30→ 10 TO 15 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.		X	—
RESISTANCE TO SOLDERING HEAT		1) REFLOW SOLDERING « REFLOW AREA » MAX 250°C 10 sec MAX 220°C MIN 60 sec MAX « PREHEATING AREA » 150°C TO 200°C 60 sec TO 150 sec PUT THROUGH IN REFLOW FUMACE 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.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	X	—
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, 230±5°C FOR INSERTION DURATION, 3sec.	SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.	X	—
REMARKS					
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT					
NOTE2:NO CONDENSING					
NOTE3:APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFOR PCB ON BOARD, AFTER PCB BOARD , OPERATING TEMPERATURE AND HUMIDITTY 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	08.09.11
			CHECKED	TS. SAKATA	08.09.11
			DESIGNED	SN. KOBAYASHI	08.09.10
			DRAWN	YK. NAKATSU	08.09.10
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC4-083466-01	
HRS	SPECIFICATION SHEET		PART NO.	DF13A-10P-1.25H (51)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL536-0309-0-51	△ 1/1