



APPLICABLE STANDARD					
RATING	VOLTAGE	150V AC	CURRENT	1A	
	OPERATING TEMPERATURE RANGE	-35°C TO + 85°C (NOTE 1)	STORAGE TEMPERATURE RANGE	-10°C TO + 60°C (NOTE 3)	
	OPERATING HUMIDITY RANGE	20% TO 80% (NOTE 2)	STORAGE HUMIDITY RANGE	40% TO 70% (NOTE 3)	
	APPLICABLE CONNECTOR	DF13-15S-1.25C			
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		100m A (DC OR 1000 Hz).	30mΩ MAX.	X	—
INSULATION RESISTANCE		100V DC.	500MΩ MIN.	X	—
VOLTAGE PROOF		500V 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/s ² 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					
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55→ 5 TO 35→+85→ 5 TO 35°C TIME 30→ 5 TO 15 → 30→ 5 TO 15min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 30mΩ MAX. ② INSULATION RESISTANCE: 500MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
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	—
RESISTANCE TO SOLDERING HEAT		1) FLOW SOLDERING 250±5°C MAX, FOR 3 SECONDS. 2) SOLDERING IRONS: 290±10°C, FOR 3 SECONDS	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	X	—
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, 245°C FOR INSERTION DURATION, 5 SECONDS.	SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMersed.	X	—
REMARKS NOTE 1:INCLUDING THE TEMPERATURE RISE BY CURRENT. NOTE 2: NO CONDENSING. NOTE 3:APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFORE PCB ON BOARD AFTER PCBBOARD , OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERM STORAGE DURING TRANSPORTATION.					
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
					
Unless otherwise specifid , refer to JIS C 5402.			APPROVED	KI. AKIYAMA	12. 03. 23
			CHECKED	HK. UMEHARA	12. 03. 23
			DESIGNED	HT. SATO	12. 03. 23
			DRAWN	MI. SAKIMURA	12. 03. 23
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-081828-02
	SPECIFICATION SHEET		PART NO.	DF13-15P-1.25DS (20)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL536-0164-9-20	 1/1