

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	40% TO 80% (NOTE 2)	STORAGE HUMIDITY RANGE	40% TO 70% (NOTE 3)	
	APPLICABLE CONNECTOR	DF13-*S-1.25C	APPLAICABLE CRIMP 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	100mA (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	50TIMES 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 <sup>2</sup> 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 15 min 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, 215±5°C FOR INSERTION DURATION, 3 SECONDS.	SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMersed.	X	-	
REMARKS					
NOTE 1:INCLUDING THE TEMPERATURE RISE BY CURRENT.					
NOTE2:NO CONDENSING.					
NOTE3: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	TS. SAKATA	08.11.17
			CHECKED	TS. KUMAZAWA	08.11.14
			DESIGNED	SN. KOBAYASHI	08.11.12
			DRAWN	YK. NAKATSU	08.11.10
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-162420-04
	SPECIFICATION SHEET		PART NO.	DF13-*P-1.25DS (50)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL536	1/1