

In case that the application demands a high level of reliability, such as automotive,
please contact a company representative for further information.

APPLICABLE STANDARD		150 V AC	CURRENT	1 A		
RATING	VOLTAGE	150 V AC	CURRENT	1 A		
	OPERATING TEMPERATURE RANGE	-35°C T0 +85 °C (NOTES 1)	STORAGE TEMPERATURE RANGE	-10°C T0 +60°C (NOTE3)		
	OPERATING HUMIDITY RANGE	20 % T0 80 % (NOTES 2)	STORAGE HUMIDITY RANGE	20 % T0 70 % (NOTE3)		
APPLICABLE CONNECTOR	DF13-*S-1.25C	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	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	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 PARTS. 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 → 5 MAX → 30 → 5 MAX 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	-		
SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY 48 h.	① CONTACT RESISTANCE: 30mΩ MAX. ② NO DEFECT SUCH AS CORROSION WHICH IMPAIRS THE FUNCTION OF CONNECTOR.	X	-		
SULFUR DIOXIDE GAS	EXPOSED IN 10 PPM 96h.		X	-		
RESISTANCE TO SOLDERING HEAT	1) REFLOW SOLDERING «REFLOW AREA» MAX250°C WITHIN 10 sec MIN 230°C WITHIN 60 sec «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 :250±10°C, SOLDERING TIME : 5sec. 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 BEFORE PCB ON BOARD.						
AFTER PCB BOARD , OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERM STRAGE DURING TRANSPORTATION.						
△	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
		Unless otherwise specified, refer to JIS C5402.		APPROVED	TY, OMA	06.05.11
				CHECKED	HK, UMEHARA	06.05.11
				DESIGNED	TS, KUMAZAWA	06.05.09
				DRAWN	AK, MURAI	06.04.28
Note	QT:Qualification Test	AT:Assurance Test	X:Applicable Test	DRAWING NO.	ELC4-083664-02	
SPECIFICATION SHEET		PART NO.	DF13-*P-1.25V (50)			
HIROSE ELECTRIC CO., LTD.		CODE NO.	CL536	△ 1/1		