

APPLICABLE STANDARD		SPECIFICATIONS				
RATING	OPERATING TEMPERATURE RANGE	-35°C TO 85°C (NOTES 1)	STORAGE TEMPERATURE RANGE	-10°C TO 60°C		
	VOLTAGE	30V AC	APPLICABLE CONNECTOR	DF37*-24DP-0.4V (**)		
	CURRENT	0.3A				
ITEM	TEST METHOD		REQUIREMENTS		QT AT	
CONSTRUCTION						
GENERAL EXAMINATION	CONFIRMED VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.		X X	
MARKING	CONFIRMED VISUALLY.				X X	
ELECTRIC CHARACTERISTICS						
CONTACT RESISTANCE	20mV AC OR LESS 1kHz, 1mA.		100mΩ MAX.		X —	
INSULATION RESISTANCE	100V DC.		50MΩ MIN.		X —	
VOLTAGE PROOF	100V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.		X —	
MECHANICAL CHARACTERISTICS						
MECHANICAL OPERATION	10TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE: 100mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		X —	
VIBRATION	FREQUENCY 10 TO 55 TO 10 Hz, APPROX 5min, SINGLE AMPLITUDE 0.75 mm, 10 CYCLES, FOR 3 DIRECTIONS.		① NO ELECTRICAL DISCONTINUITY OF 1 μs. 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 1 μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		X —	
ENVIRONMENTAL CHARACTERISTICS						
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → 85 °C TIME 30 → 30 min UNDER 5 CYCLES. (RELOCATION TIME TO CHAMBER : WITHIN 2~3 MIN)		① CONTACT RESISTANCE: 100mΩ MAX. ② INSULATION RESISTANCE: 50MΩ 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: 100mΩ MAX. ② INSULATION RESISTANCE: 25MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		X —	
SULPHUR DIOXIDE	EXPOSED IN 25 PPM FOR 96h, 25°C, 75%. (REFER TO JIS C 60068)		① CONTACT RESISTANCE: 100mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		X —	
SALT MIST	EXPOSED IN 5% SALT MIST FOR 48h.		① CONTACT RESISTANCE: 100mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		X —	
COUNT	DESCRIPTION OF REVISIONS		DESIGNED		CHECKED	DATE
						
REMARKS NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT Unless otherwise specified, refer to JIS C 5402 and IEC 60512				APPROVED	KH. IKEDA	11.11.07
				CHECKED	TS. MIYAZAKI	11.11.05
				DESIGNED	NY. YAMASHIRO	11.11.05
				DRAWN	KR. AJITO	11.11.05
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-339438-01	
	SPECIFICATION SHEET		PART NO.	DF37NC (1.5)-24DS-0.4V (51)		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL684-3603-5-51		 1/1