

APPLICABLE STANDARD							
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*-50DP-0.4V (**)		
	CURRENT	0.3A					
SPECIFICATIONS							
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							
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.		INSERTION FORCE	50.7 N MAX.		X —	
			EXTRACTION FORCE	9.8 N MIN.		X —	
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, 10CYCLES, 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				APPROVED	KH. IKEDA		10. 10. 01
				CHECKED	TS. MIYAZAKI		10. 09. 30
				DESIGNED	RT. SHIMIZU		10. 09. 30
				DRAWN	YN. SAKAMOTO		10. 09. 30
Unless otherwise specified, refer to JIS C 5402 and IEC 60512				DRAWING NO.			ELC4-319640-01
		SPECIFICATION SHEET		PART NO.	DF37NB-50DS-0.4V (51)		
		HIROSE ELECTRIC CO., LTD.		CODE NO.	CL684-3307-2-51		1/1