








APPLICABLE STANDARD						
RATING 	OPERATING TEMPERATURE RANGE	-40°C TO + 85°C (NOTE 1)	STORAGE TEMPERATURE RANGE	-10°C TO + 60°C (NOTE 2)		
	OPERATING HUMIDITY RANGE	40% TO + 80% (NOTE 3)	STORAGE HUMIDITY RANGE	40% TO + 70% (NOTE 2)		
	VOLTAGE	250V AC/DC	APPLICABLE CONNECTOR	DF11-*DS-2C		
	CURRENT	3A	APPLICABLE CABLE	AWG22		
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 —	
MECHANICAL CHARACTERISTICS						
CONTACT INSERTION AND EXTRACTION FORCE		□0.5±0.002 BY STEEL GAUGE.		INSERTION FORCE 4.4N MAX EXTRACTION FORCE 0.3N MIN	X —	
MECHANICAL OPERATION 		30 TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE: 30mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X —	
CONTACT INSERTION AND EXTRACTION FORCE		□0.5±0.002 BY STEEL GAUGE.		INSERTION FORCE 4.4N MAX EXTRACTION FORCE 0.3N MIN	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→10 TO 15→30→10 TO 15 min UNDER 5 CYCLES.		① CONTACT RESISTANCE: 30mΩ MAX. ② 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 NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X —	
REMARKS						
NOTE 1:INCLUDING THE TEMPERATURE RISE BY CURRENT						
NOTE 2:APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFORE MOUNTED ON PCB, AFTER MOUNTED ON PCB, OPERATION TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERIM STORAGE DURING TRANSPORTATION.						
NOTE 3:NO CONDENSING. 						
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
	4	DIS-H-00004269	TS. MIYAKI	HS. OKAWA	20180928	
Unless otherwise specifid , refer to IEC 60512.				APPROVED	KJ. KATAYOSE	20050105
				CHECKED	TY. OMA	20050105
				DESIGNED	IO. DENPOUYA	20050105
				DRAWN	IO. DENPOUYA	20050105
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-081372-00-00	
	SPECIFICATION SHEET		PART NO.	DF11-22SCF		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL543-0601-0-00	 1/1	