

APPLICABLE STANDARD							
RATING	OPERATING TEMPERATURE RANGE	-35 °C TO +85°C (NOTE1)		STORAGE TEMPERATURE RANGE	-10 °C TO +60°C (NOTE3)		
	OPERATING HUMIDITY RANGE	20% TO 80% (NOTE2)		STORAGE HUMIDITY RANGE	40% TO 70% (NOTE3)		
	VOLTAGE	50 V AC/DC		UL C-UL RATING	VOLTAGE	50 V AC/DC	
	CURRENT	AWG28 : 2.0A AWG30 : 1.5A AWG32 : 1.0A AWG34 : 0.8A			CURRENT	AWG28 : 2.5A AWG30 : 1.5A AWG32 : 1.2A AWG34 : 1.0A	
	APPLICABLE CONNECTOR	DF57H-2P-1.2V(##)			OPERATING TEMPERATURE RANGE	-35 °C TO +75°C (NOTE1)	
	APPLICABLE CONTACT	DF57-2830SCF DF57-3234SCF			INSULATION DIAMETER	AWG28 TO 34: φ 0.32~0.63 mm	
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							
INSULATION RESISTANCE		100 V DC.		100 MΩ MIN.		X	—
VOLTAGE PROOF		500 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.		X	—
MECHANICAL CHARACTERISTICS							
MECHANICAL OPERATION		30 TIMES INSERTION AND EXTRACTION.		NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		X	—
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 10 CYCLES FOR 3 DIRECTION.		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.				X	—
ENVIRONMENTAL CHARACTERISTICS							
DAMP HEAT(STEADY STATE)		EXPOSED AT 40 ± 2°C , 90 TO 95 %, 96 h. (AFTER LEAVING THE ROOM TEMPERATURE FOR 1-2h.)		① INSULATION RESISTANCE: 100 MΩ MIN. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		X	—
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55°C→ +85°C TIME 30min→ 30min UNDER 5 CYCLES. (THE TRANSFERRING TIME OF THE TANK IS 2-3 min) (AFTER LEAVING THE ROOM TEMPERATURE FOR 1-2h.)		① INSULATION RESISTANCE: 100 MΩ MIN. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		X	—
REMARKS							
NOTE 1: INCLUDE THE TEMPERATURE RISING BY CURRENT. NOTE 2:NO CONDENSING NOTE 3: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 INTERIM STORAGE DURING TRANSPORTATION.							
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE		
	1	DIS-H-008817	TS. KUMAZAWA	TS. FUKUSHIMA	14. 06. 13		
Unless otherwise specified, refer to IEC 60512.				APPROVED	KI. AKIYAMA	12. 03. 19	
				CHECKED	HK. UMEHARA	12. 03. 19	
				DESIGNED	TS. KUMAZAWA	12. 03. 19	
				DRAWN	TS. KUMAZAWA	12. 03. 19	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-343900-00		
	SPECIFICATION SHEET		PART NO.	DF57H-2S-1. 2C			
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL666-0100-6-00		1/1	