

APPLICABLE STANDARD								
RATING	OPERATING TEMPERATURE RANGE	-35°C TO +85°C (NOTE 1)	STORAGE TEMPERATURE RANGE		-10°C TO +60°C (NOTE 3)			
	OPERATING HUMIDITY RANGE	20% TO 80% (NOTE 2)	STORAGE HUMIDITY RANGE		40% TO 70% (NOTE 3)			
	APPLICABLE CONNECTOR	DF57H-6S-1.2C(##) DF57AH-6S-1.2C(##)	UL・C-UL RATING	OPERATING TEMPERATURE RANGE	-35°C TO +75°C (NOTE 1)			
	APPLICABLE CONTACT	DF57-****SCF(##)		VOLTAGE	29V AC/DC			
	VOLTAGE	50V AC/DC		CURRENT	AWG 26 TO 28 : 1.5A/PIN AWG 30 TO 34 : 1.0A/PIN			
	CURRENT	AWG 26 TO 28 : 1.5A/PIN AWG 30 : 1.0A/PIN AWG 32 : 0.8A/PIN AWG 34 : 0.5A/PIN						
SPECIFICATIONS								
ITEM		TEST METHOD		REQUIREMENTS				
CONSTRUCTION								
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.				
MARKING		CONFIRMED VISUALLY.						
ELECTRIC CHARACTERISTICS								
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD		20mV MAX, 1mA (DC or 1000 Hz).		10 mΩ MAX.	X —			
INSULATION RESISTANCE		100V DC.		100 MΩ MIN.	X —			
VOLTAGE PROOF		500V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	X —			
MECHANICAL CHARACTERISTICS								
MECHANICAL OPERATION		30 TIMES INSERTION AND EXTRACTION.		1) CONTACT RESISTANCE: 20 mΩ MAX. 2) NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X —			
INSERTION AND EXTRACTION FORCES		IT TAKES OUT AND INSERTS WITH A CONFORMITY CONNECTOR.		1) INSERTION FORCE : 30.0 N MAX. 2) EXTRACTION FORCE: 1.2 N MIN.	X —			
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 10 CYCLES FOR 3 DIRECTION.		1) NO ELECTRICAL DISCONTINUITY OF 1 μs. 2) 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.		1) NO ELECTRICAL DISCONTINUITY OF 1 μs. 2) NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X —			
ENVIRONMENTAL CHARACTERISTICS								
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 ± 2 °C , 90 TO 95 % , 96 h. (AFTER LEAVING THE ROOM TEMPERATURE FOR 1 TO 2 h.)		1) CONTACT RESISTANCE : 20 mΩ MAX. 2) INSULATION RESISTANCE: 100 MΩ MIN. 3) NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X —			
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55 °C→ +85 °C TIME 30 min→ 30 min UNDER 5 CYCLES. (THE TRANSFERRING TIME OF THE TANK IS 2 TO 3 min) (AFTER LEAVING THE ROOM TEMPERATURE FOR 1 TO 2 h.)		1) CONTACT RESISTANCE : 20 mΩ MAX. 2) INSULATION RESISTANCE: 100 MΩ MIN. 3) NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X —			
RESISTANCE TO SOLDERING HEAT		1) REFLOW SOLDERING «REFLOW TIME» NUMBER OF REFLOW CYCLES: 2 CYCLES MAX. DURATION ABOVE 220 °C, 60 sec. MAX. PEAK TEMPERATURE: 250 °C 10 sec. MAX. «PRE-HEAT TIME» PRE-HEAT TEMPERATURE (MIN): 150 °C PRE-HEAT TEMPERATURE (MAX): 180 °C PRE-HEAT TIME (MIN): 90 sec. PRE-HEAT TIME (MAX): 120 sec. 2) MANUAL SOLDERING SOLDERING IRON TEMPERATURE: 350±10 °C, SOLDERING TIME: 3 sec. NO STRENGTH ON CONTACT.		NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	X —			
SOLDERABILITY		SOLDERING TEMPERATURE: 245 °C DURATION OF IMMERSION: SOLDERING, FOR 5 sec.		NEW UNIFORM COATING OF SOLDER SHALL COVER MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.	X —			
REMARKS								
NOTE 1: INCLUDE THE TEMPERATURE RISING BY CURRENT.								
NOTE 2: NO CONDENSING.								
NOTE 3: APPLY TO UNUSED PRODUCT ON PACKAGED CONDITION.								
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE			
				APPROVED	SJ. OKAMURA 20210823			
				CHECKED	SZ. ONO 20210823			
				DESIGNED	HK. HAYASHI 20210823			
				DRAWN	TS. HONJO 20210820			
Unless otherwise specified, refer to IEC 60512.								
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-343908-23-05			
	SPECIFICATION SHEET		PART NO.	DF57H-6P-1. 2V (23)				
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL0666-0108-8-23	1/1			