

APPLICABLE STANDARD		SPECIFICATIONS								
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%		STORAGE HUMIDITY RANGE	40% TO + 70% (NOTE 2)					
	VOLTAGE	250V AC		UL・CSA RATING	VOLTAGE	30V AC				
	CURRENT	AWG 22 TO 26 : 2A AWG 28 : 1A AWG 30 : 0.5A			CURRENT	AWG 22 : 2A AWG 24 TO 28 : 1A AWG 30 : 0.5A				
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 —				
INSULATION RESISTANCE	500V DC.		1000MΩ MIN.			X —				
VOLTAGE PROOF	650V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.			X —				
MECHANICAL CHARACTERISTICS										
MECHANICAL OPERATION	50 TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE: 30mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			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.					X —				
ENVIRONMENTAL CHARACTERISTICS										
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.		① CONTACT RESISTANCE: 30mΩ MAX. ② INSULATION RESISTANCE: 500MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			X —				
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55→5 TO 35→+85 →5 TO 35 °C TIME 30→10 TO 15 →30 →10 TO15 min UNDER 5 CYCLES.		① CONTACT RESISTANCE: 30mΩ MAX. ② INSULATION RESISTANCE: 1000MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			X —				
COUNT		DESCRIPTION OF REVISIONS		DESIGNED		CHECKED				
	2	DIS-H-008928		HT. SATO		TS. FUKUSHIMA				
				APPROVED	TS. SAKATA					
				CHECKED	TS. KUMAZAWA					
				DESIGNED	KT. ISHII					
				DRAWN	YK. NAKATSU					
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC4-163554-05				
		SPECIFICATION SHEET		PART NO.	DF11C-*DP-2V (57)					
		HIROSE ELECTRIC CO., LTD.		CODE NO.	CL543	 1/2				

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
RESISTANCE TO SOLDERING HEAT	<p>1) AUTOMATIC SOLDERING (REFLOW) 『REFLOW AREA』 MAX 250°C WITHIN 10 sec. MIN 230°C WITHIN 60 sec. 『PREHEATING AREA』 150 TO 180°C 90 TO 120 sec. PUT THROUGH IN REFLOW FUMACE TWICE. FEAVE IN AMBIENT TEMPERATURE AND HUMIDITY FOR 1 HOUR. CONNEVCTOR TEMPERATURE TO BE AMBIENT FOR SECOND REFLOW.</p> <p>2) MANUAL SOLDERING SOLDERING IRON TEMPERATURE :290±10°C, SOLDERING TIME :3s. NO STRENGTH ON CONTACT.</p>	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	X	—
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 230±5°C FOR IN IMMERSION , DURATION, 3 s.	A NEW UNIFORM COATING OF SOLDER SHALL COVER MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.	X	—
REMARKS				
<p>NOTE 1:INCLUDING THE TEMPERATURE RISE BY CURRENT.</p> <p>NOTE 2: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 INTERM STORAGE DURING TRANSPORTATION.</p> <p>NOTE 3:THE TEMPERATURE PROFILE SHALL BE APPLIED WITHIN 168 HOURS AFTER OPENING MOISTURE-PROOF PACKAGING. WHEN 168 HOURS PASSED AFTER OPENING , APPLY THE BOTTOM REQUIREMENTS.</p> <p>『REFLOW AREA』 MAX 240°C WITHIN 10 sec. MIN 230°C WITHIN 60 sec.</p> <p>『PREHEATING AREA』 150 TO 180°C 90 TO 120 s.</p>				
Unless otherwise specified , refer to IEC 60512 				
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