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APPLICABLE STANDARD							
RATING	OPERATING TEMPERATURE RANGE	-30°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	
SPECIFICATIONS							
ITEM	TEST METHOD			REQUIREMENTS		QT	AT
<b>CONSTRUCTION</b>							
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.		X	X
MARKING	CONFIRMED VISUALLY.					X	X
<b>ELECTRIC CHARACTERISTICS</b>							
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	—
<b>MECHANICAL CHARACTERISTICS</b>							
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 <sup>2</sup> DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.					X	—
<b>ENVIRONMENTAL CHARACTERISTICS</b>							
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 TO 15 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	DATE		
	△						
				APPROVED	TS. SAKATA	08.12.04	
				CHECKED	TS. KUMAZAWA	08.12.03	
				DESIGNED	KT. ISHII	08.12.03	
				DRAWN	KT. ISHII	08.12.03	
Note	QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC4-071923-01		
<b>HRS</b>	SPECIFICATION SHEET		PART NO.	DF11C-18DP-2V (57)			
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL543-0689-0-57	△	1/2	

SPECIFICATIONS					
ITEM	TEST METHOD	REQUIREMENTS	QT	AT	
RESISTANCE TO SOLDERING HEAT	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 FURNACE TWICE. LEAVE IN AMBIENT TEMPERATURE AND HUMIDITY FOR 1 HOUR. CONNECTOR TEMPERATURE TO BE AMBIENT FOR SECOND REFLOW. 2) MANUAL SOLDERING SOLDERING IRON TEMPERATURE :290±10°C, SOLDERING TIME :3s. NO STRENGTH ON CONTACT.	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 IMMERSSED.	X	—	
REMARKS NOTE 1:INCLUDING THE TEMPERATURE RISE BY CURRENT. 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. 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. 《REFLOW AREA》 MAX 240°C WITHIN 10 sec. MIN 230°C WITHIN 60 sec. 《PREHEATING AREA》 150 TO 180°C 90 TO 120 s.					
Unless otherwise specified , refer to JIS C 5402.					
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