

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	AC 250V		VOLTAGE	AC 30V		
	CURRENT	AWG 22 TO 26 : 2A AWG 28 : 1A AWG 30 : 0.5A		UL・CSA RATING	CURRENT	AWG 22 : 2A AWG 24 TO 28 : 1A AWG 30 : 0.5A	
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		100 mA (DC OR 1000 Hz).		30 mΩ MAX.		X	—
INSULATION RESISTANCE		500 V DC.		1000 MΩ MIN.		X	—
VOLTAGE PROOF		650 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.		X	—
MECHANICAL CHARACTERISTICS							
MECHANICAL OPERATION		30 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							
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55→ 5 TO 35→+85→ 5 TO 35 °C TIME 30→ 5 TO 15→ 30→ 5 TO15 min UNDER 5 CYCLES.		① CONTACT RESISTANCE: 30mΩ MAX. ② INSULATION RESISTANCE: 1000MΩ MIN. ③ 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 INSULATION RESISTANCE: 500MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		X	—
RESISTANCE TO SOLDERING HEAT		1) AUTOMATIC SOLDERING (REFLOW) 《REFLOW AREA》 MAX 240°C WITHIN 10 sec. MIN 220°C WITHIN 30sec. 《PREHEATING AREA》 150°C 100 TO 120 sec. PUT THROUGH IN REFLOW FURNACE TWICE. FEAVE IN AMBIENT TEMPERATURE AND HUMIDITY FOR 1 HOUR. CONNEVCTOR 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 IMMERSED.		X	—
	COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE	
							
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. Unless otherwise specifid , refer to JIS C 5402.				APPROVED	TS. SAKATA	08.12.16	
				CHECKED	TS. KUMAZAWA	08.12.15	
				DESIGNED	KT. ISHII	08.12.15	
				DRAWN	KT. ISHII	08.12.15	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC4-162218-01	
	SPECIFICATION SHEET			PART NO.	DF11G-10DP-2V (50)		
	HIROSE ELECTRIC CO., LTD.			CODE NO.	CL543-0813-8-50		1/1