

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	VOLTAGE	30V AC
	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
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**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	30TIMES 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	-

**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	-

COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
2	DIS-H-002460	AK. MIURA	HK. UMEHARA	07.09.29
			APPROVED TY. OMA	05.02.01
			CHECKED TS. SAKATA	05.02.01
			DESIGNED IO. DENPOUYA	05.01.28
			DRAWN FK. MATSUKI	05.01.24

Note QT:Qualification Test AT:Assurance Test X:Applicable Test DRAWING NO. ELC4-306017-02

<b>HRS</b>	SPECIFICATION SHEET	PART NO.	DF11Z-*DP-2V (21)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL543	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 IMMersed.	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.				
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.	ELC4-306017-02	
<b>HRS</b>	SPECIFICATION SHEET	PART NO.	DF11Z-*DP-2V (21)	
	HIROSE ELECTRIC CO., LTD.	CODE NO	CL543	2/2