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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
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	DATE
⚠0					

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. ELC4-161199-01

HRS	SPECIFICATION SHEET	PART NO.	DF11C-28DP-2V(57)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL543-0694-0-57 ⚠0	1/2

FORM HD0011-2-1

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SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
RESISTANCE TO SOLDERING HEAT	1) AUTOMATIC SOLDERING (REFLOW) 《REFLOW AREA》 MAX 250℃ WITHIN 10 sec. MIN 230℃ WITHIN 60 sec. 《PREHEATING AREA》 150 TO 180℃ 90 TO 120 sec. PUT THROUGH IN REFROW FUMACE 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℃, 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℃ 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℃ WITHIN 10 sec.
MIN 230℃ WITHIN 60 sec.
《PREHEATING AREA》
150 TO 180℃ 90 TO 120 s.

Unless otherwise specifid , refer to JIS C 5402.

Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.	ELC4-161199-01		
HRS	SPECIFICATION SHEET	PART NO.	DF11C-28DP-2V(57)		
	HIROSE ELECTRIC CO., LTD.	CODE NO	CL543-0694-0-57	⚠0	2/2

FORM HD0011-2-2