APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO +105°C (NOTE1)	STORAGE TEMPERATURE RANGE		-10 °C TO +60°C (NOTE3)
	OPERATING HUMIDITY RANGE	20% TO 80% (NOTE2)	STORAGE HUMIDITY RANGE		40% TO 70% (NOTE3)
	APPLICABLE CONNECTOR	DF64-2P-4.5H DF64-2P-4.5C	CURRENT		5A
			VOLTAGE ⚠1	Specification	AC/DC 350V
				UL/c-UL	AC/DC 350V
				TÜV	TBD

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	DC6V MAX, 100mA.	30mΩ MAX.	X	—
INSULATION RESISTANCE	500V DC.	1000MΩ MIN.	X	—
VOLTAGE PROOF	1500V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	—
MECHANICAL CHARACTERISTICS				
MECHANICAL OPERATION	10TIMES INSERTION AND EXTRACTION.	①30mΩ MAX. ②NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
VIBRATION	FREQUENCY 10 TO 55Hz, SINGLE AMPLITUDE 0.75mm, AT 10CYCLES FOR 3DIRECTION.	①NO ELECTRICAL DISCONTINUITY OF 1μs. ②NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
SHOCK	490 m/s² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		X	—
ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2℃ , 90 TO 95 %, 96 h. (AFTER LEAVING THE ROOM TEMPERATURE FOR 1～2h.)	①30mΩ MAX. ②INSULATION RESISTANCE: 1000MΩ MIN.	X	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55℃→ +105℃ TIME 30min→ 30min UNDER 5 CYCLES. (THE TRANSFERRING TIME OF THE TANK IS 2～3 min) (AFTER LEAVING THE ROOM TEMPERATURE FOR 1～2h.)	③NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
RESISTANCE TO SOLDERING HEAT	1) REFLOW SOLDERING NUMBER OF REFLOW CYCLES : 2CYCLES MAX. ≪REFLOW AREA≫ DURATION ABOVE 220℃, 60sec. MAX. PEAK TEMPERATURE: 250℃, 10sec. MAX. ≪PRE-HEAT AREA≫ PRE-HEAT TEMPERATURE:150℃ TO 180℃ PRE-HEAT TIME:90sec. TO 120sec. 2) MANUAL SOLDERING SOLDERING IRON TEMPERATURE :350±10℃, SOLDERING TIME : 3sec. NO STRENGTH ON CONTACT.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	X	—
SOLDERABILITY	SOLDERING TEMPERATURE : 245°C DURATION OF IMMERSION :SOLDERING, FOR 5sec.	NEW UNIFORM COATING OF SOLDER SHALL COVER MINIMUM OF 95% OF THE SURFACE BEING IMMERSED.	X	—

NOTE 1: INCLUDE THE TEMPERATURE RISING BY CURRENT.
NOTE2:NO CONDENSING
NOTE3:APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFOR PCB ON BOARD, AFTER PCB BOARD , OPERATING TEMPERATURE AND HUMIDITTY RANGE IS APPLIED FOR INTERIM STRAGE DURING TRANSPORTATION.

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
⚠1	1	DIS-H-008279	TS.MIYAKI	OM.MIYAMOTO	13.11.06

REMARKS

Unless otherwise specified, refer to JIS C 5402.

APPROVED	KI.AKIYAMA	13.07.31
CHECKED	OM.MIYAMOTO	13.07.31
DESIGNED	TS.MIYAKI	13.07.31
DRAWN	TS.MIYAKI	13.07.31

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

DRAWING NO. ELC4-347650-01

HRS	SPECIFICATION SHEET	PART NO.	DF64-2S-4.5H(21)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL667-1002-9-21 ⚠1	1/1

FORM HD0011-2-1