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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

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	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/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. (AFTER LEAVING THE ROOM TEMPERATURE FOR 1~2h.)	①30mΩ MAX. ②INSULATION RESISTANCE: 1000MΩ MIN.	X	-	
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55°C → +105°C 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°C, 60sec. MAX. PEAK TEMPERATURE: 250°C, 10sec. MAX. «PRE-HEAT AREA» PRE-HEAT TEMPERATURE:150°C TO 180°C PRE-HEAT TIME:90sec. TO 120sec. 2) MANUAL SOLDERING SOLDERING IRON TEMPERATURE :350±10°C, 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			APPROVED	KI. AKIYAMA	13. 07. 31
			CHECKED	OM. MIYAMOTO	13. 07. 31
			DESIGNED	TS. MIYAKI	13. 07. 31
			DRAWN	TS. MIYAKI	13. 07. 31
Unless otherwise specified, refer to JIS C 5402.					
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