






APPLICABLE STANDARD						
RATING	OPERATING TEMPERATURE RANGE	-35°C TO +85°C (NOTE 1)	STORAGE TEMPERATURE RANGE	-10°C TO +60°C (NOTE 3)		
	OPERATING HUMIDITY RANGE	40% TO 80% (NOTE 2)	STORAGE HUMIDITY RANGE	40% TO 70% (NOTE 3)		
	VOLTAGE	500V AC/DC	APPLICABLE CABLE	UL1007, AWG20—22		
	CURRENT 	5A	APPLICABLE CONNECTOR	DF33C-3S-3. 3C		
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		1mA (DC OR 1000 Hz). 20mV MAX		10mΩ 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		30 TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE: 20mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 10 CYCLE FOR EACH, 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: 20mΩ MAX. ② INSULATION RESISTANCE: 500MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55→+85°C TIME 30→ 30min. UNDER 5 CYCLES. THE TRANSFERRING TIME OF THE TANK IS 2~3 min.		① CONTACT RESISTANCE: 20mΩ MAX. ② INSULATION RESISTANCE: 1000MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
RESISTANCE TO SOLDERING HEAT		1) AUTOMATIC SOLDERING (FLOW) SOLDERED AT SOLDER TEMPERATURE, 260°C FOR IN IMMERSION , DURATION, 10 s. 2)MANUAL SOLDERING SOLDERING IRON TEMPERATURE :300°C, SOLDERING TIME :3s. NO STRENGTH ON CONTACT.		NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	X	—
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, 245°C FOR IN IMMERSION , DURATION, 5 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:NO CONDENSING						
NOTE3:APPLY TO THE CONDITION OF LONGTERM STORAGE FOR UNUSED PRODUCTS BEFORE PCB ON BOARD, AFTER PCB BOARD, OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERIM STORAGE DURING TRANSPORTATION.						
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
	2	DIS-H-008766	HT. SATO	TS. FUKUSHIMA	14. 05. 19	
Unless otherwise specifid , refer to IEC 60512. 				APPROVED	HK. UMEHARA	12. 07. 21
				CHECKED	HK. UMEHARA	12. 07. 21
				DESIGNED	HT. SATO	12. 07. 21
				DRAWN	MI. SAKIMURA	12. 07. 21
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-338421-01	
	SPECIFICATION SHEET		PART NO.	DF33C-3P-3. 3DSA (24)		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL676-1132-5-24		1/1