




APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C ⁽¹⁾		STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C ⁽²⁾
	VOLTAGE	200 V AC		OPERATING HUMIDITY RANGE	40 % TO 80 %
	CURRENT	1 A		STORAGE HUMIDITY RANGE	40 % TO 70 % ⁽²⁾
SPECIFICATIONS					
ITEM		TEST METHOD		REQUIREMENTS	QT AT
CONSTRUCTION					
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	× ×
MARKING		CONFIRMED VISUALLY.			× ×
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE		100 mA (DC or 1000 Hz).		15 mΩ MAX.	× -
INSULATION RESISTANCE		500 V DC.		1000 MΩ MIN.	× -
VOLTAGE PROOF		650 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	× -
MECHANICAL CHARACTERISTICS					
MECHANICAL OPERATION		500 TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE: 15 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	× -
VIBRATION		FREQUENCY 10 TO 55 Hz, AMPLITUDE : 1.5 mm, AT 2 h FOR 3 DIRECTION.		① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	× -
SHOCK		490 m/s ² , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.			× -
ENVIRONMENTAL CHARACTERISTICS					
DAMP HEAT (STEADY STATE)		EXPOSED AT 40±2 °C, 90 ~ 95 %, 96 h.		① CONTACT RESISTANCE: 15 mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩ MIN.	× -
RAPID CHANGE OF TEMPERATURE		TEMPERATURE-65→+15~+35→+125→+15~+35°C TIME 30 → 10~15 → 30 → 10~15 min UNDER 5 CYCLES.		③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	× -
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		① CONTACT RESISTANCE: 15 mΩ MAX. ② NO HEAVY CORROSION.	× -
HYDROGEN SULPHIDE		EXPOSED IN 3 PPM FOR 120 h. (TEST STANDARD: JEIDA-38)			× -
RESISTANCE TO SOLDERING HEAT		1) SOLDER BATH: SOLDER TEMPERATURE, 260±5°C FOR IMMERSION, 10±1s. 2) SOLDERING IRONS : 360°C FOR 5 s MAX.		NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	× -
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE 245±3°C FOR IMMERSION DURATION, 2s.		A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.	× -
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
					
REMARK ⁽¹⁾ TEMPERATURE RISE INCLUDED WHEN ENERGIZED. ⁽²⁾ THIS STORAGE INDICATES A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE THE BOARD MOUNTED.			APPROVED	HS.OKAWA	06.04.27
			CHECKED	HS.OZAWA	06.04.27
			DESIGNED	KY.NAKAMURA	06.04.27
Unless otherwise specified, refer to MIL-STD-202.			DRAWN	SY.KAMIGA	06.04.26
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-016847-21
	SPECIFICATION SHEET		PART NO.	HIF3F-20PA-2. 54DS (71)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL615-0043-1-71	 1/1