

①	APPLICABLE STANDARD		UL:UL1977				
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C ⁽¹⁾		STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C ⁽²⁾		
	VOLTAGE	300 V AC		OPERATING HUMIDITY RANGE	RELATIVE HUMIDITY 85% MAX (NOT DEWED)		
	CURRENT	3 A		STORAGE HUMIDITY RANGE			
UL RATING	VOLTAGE	250 V AC					
	CURRENT	1 A					
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		100 mA (DC OR 1000 Hz).		15 mΩ MAX.		x	—
INSULATION RESISTANCE		500 V DC		1000 MΩ MIN.		x	—
VOLTAGE PROOF		1000 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.		x	—
MECHANICAL CHARACTERISTICS							
CONTACT INSERTION AND EXTRACTION FORCES		□0.635±0.002mm BY STEEL GAUGE.		INSERTION FORCE: 4.4 N MAX. EXTRACTION FORCE: 0.56 N MIN.		x	—
MECHANICAL OPERATION		500 TIMES INSERTIONS AND EXTRACTIONS.		①CONTACT RESISTANCE: 15 mΩ MAX. ②NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		x	—
VIBRATION		FREQUENCY 10 TO 55 Hz, AMPLITUDE : 1.5 mm, AT 2 h FOR 3 DIRECTIONS.		①NO ELECTRICAL DISCONTINUITY OF 1 μs. ②NO DAMAGE, CRACK AND 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 ~ 95 %, 96 h.		①CONTACT RESISTANCE: 15 mΩ MAX. ②INSULATION RESISTANCE:1000 MΩ MIN.		x	—
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55→+15~+35→+125→+15~+35°C TIME 30 → 10~15 → 30 → 10~15 min. UNDER 5 CYCLES.		③NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		x	—
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		①CONTACT RESISTANCE: 15 mΩ MAX. ②NO HEAVY CORROSION.		x	—
SULPHUR DIOXIDE		EXPOSED IN 3 PPM FOR 96 h. (TEST STANDARD: JEIDA - 38)				x	—
RESISTANCE TO SOLDERING HEAT		1) SOLDER BATH:SOLDER TEMPERATURE, 260±5°C FOR IMMERSION,DURATION,10±1s. 2) SOLDERING IRONS : 360°C FOR 5 s MAX.		NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.		x	—
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, 245±3°C, FOR IMMERSION DURATION, 2 s.		A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.		x	—
	COUNT	DESCRIPTION OF REVISIONS		DESIGNED		CHECKED	DATE
①	2	DIS-F-00005942		AK. IWAHORI		HT. YAMAGUCHI	20200313
REMARK ⁽¹⁾ TEMPERATURE RISE INCLUDED WHEN ENERGIZED. ⁽²⁾ THIS STORAGE INDICATES A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE THE BOARD MOUNTED. Unless otherwise specified, refer to MIL-STD-202.				APPROVED	HT. YAMAGUCHI	20181210	
				CHECKED	HT. YAMAGUCHI	20181210	
				DESIGNED	HR. NAGAYASU	20181207	
				DRAWN	TS. HORI	20181207	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC-386224-00-00	
HRS	SPECIFICATION SHEET			PART NO.		HIF3HA-*DA-2. 54DSA (61)	
	HIROSE ELECTRIC CO., LTD.			CODE NO.		①	1/1