

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		RELATIVE HUMIDITY 85% MAX (NOT DEWED)		
	CURRENT		1 A		STORAGE HUMIDITY RANGE				
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		650 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: 3.43 N MAX EXTRACTION FORCE: 0.39 N MIN			x	—
MECHANICAL OPERATION		500 TIMES INSERTIONS AND EXTRACTIONS.			① CONTACT RESISTANCE: 15 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			x	—
VIBRATION		FREQUENCY 10 TO 55 TO 10Hz, APPROX 5min SINGLE AMPLITUDE : 0.75 mm, 10CYCLES FOR 3 AXIAL DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			x	—
SHOCK		490 m/s ² , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 BOTH AXIAL DIRECTIONS.						x	—
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. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			x	—
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55 → +125 °C TIME 30 → 30 min UNDER 5 CYCLES. (RELOCATION TIME TO CHANBER:WITHIN2~3MIN)						x	—
DRY HEAT		EXPOSED AT 85°C, 96h			① CONTACT RESISTANCE: 15 mΩ MAX.			x	—
COLD		EXPOSED AT -55°C, 96h			② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			x	—
SULFUR DIOXIDE		EXPOSED AT 25±2°C, 75±5%RH, 25PPM FOR 96 h.(TEST STANDARD :JIS C 60068)			① CONTACT RESISTANCE: 15 mΩ MAX. ② NO HEAVY CORROSION.			x	—
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.			NO HEAVY CORROSION			x	—
	COUNT	DESCRIPTION OF REVISIONS			DESIGNED		CHECKED		DATE
△0									
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	15. 07. 23		
					CHECKED	HT. YAMAGUCHI	15. 07. 23		
					DESIGNED	TY. EDAGAWA	15. 07. 23		
					DRAWN	TY. EDAGAWA	15. 07. 23		
Unless otherwise specified, refer to IEC 60512.									
Note QT:Qualification Test AT:Assurance Test X:Applicable Test					DRAWING NO.		ELC-153680-00-00		
HRS		SPECIFICATION SHEET			PART NO.		HIF3MAW-*D-2. 54R		
		HIROSE ELECTRIC CO., LTD.			CODE NO.		CL610		△0