

APPLICABLE STANDARD						
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C ⁽¹⁾	STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C ⁽²⁾		
	VOLTAGE	125 V AC	OPERATING HUMIDITY RANGE	40 % TO 80 %		
	CURRENT	0.5A	STORAGE HUMIDITY RANGE	40 % TO 70 % ⁽²⁾		
	APPLICABLE CABLE (OUTER DIAMETER)	φ 0.8 TO 1.0 mm	APPLICABLE CABLE (AWG SIZE)	AWG28		
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).		30 mΩ MAX.	×	—
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD		20 mV MAX, 1 mA(DC OR 1000Hz)		30 mΩ MAX.	×	—
INSULATION RESISTANCE		250 V DC.		1000 MΩ MIN.	×	—
VOLTAGE PROOF		300 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	×	—
MECHANICAL CHARACTERISTICS						
CONTACT INSERTION AND EXTRACTION FORCES		□ 0.5±0.002 BY STEEL GAUGE.		INSERTION FORCE: 2.9 N MAX. EXTRACTION FORCE: 0.3 N MIN.	×	
MECHANICAL OPERATION		500 TIMES INSERTIONS AND EXTRACTIONS.		①CONTACT RESISTANCE: 30 mΩ MAX. ②NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
VIBRATION		FREQUENCY 10 TO 55 Hz, AMPLITUDE : 0.76 mm, AT 2 h FOR 3 DIRECTION.		①NO ELECTRICAL DISCONTINUITY OF 1 μs. ②NO 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.		①CONTACT RESISTANCE: 30 mΩ MAX. ②INSULATION RESISTANCE:1000 MΩ MIN.	×	—
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55 → +85 °C TIME 30 → 30 min. UNDER 5 CYCLES. (RELOCATION TIME TO CHAMBER:WITHIN 2~3 MIN)		③NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		①CONTACT RESISTANCE: 30 mΩ MAX. ②NO HEAVY CORROSION.	×	—
HYDROGEN SULPHIDE		EXPOSED IN 3 PPM FOR 120 h. (TEST STANDARD:JEIDA 38)			×	—
	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	15. 08. 21	
			CHECKED	HT. YAMAGUCHI	15. 08. 21	
			DESIGNED	TH. SANO	15. 08. 21	
			DRAWN	HR. NAGAYASU	15. 08. 21	
Unless otherwise specified, refer to MIL-STD-1344.						
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-365749-00-00	
HRS	SPECIFICATION SHEET		PART NO.	HIF6-**D-1. 27R (20)		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL630	△	1/1