

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. Unless otherwise specified, refer to MIL-STD-1344.				APPROVED	HS. OKAWA	15. 08. 21	
				CHECKED	HT. YAMAGUCHI	15. 08. 21	
				DESIGNED	TH. SANO	15. 08. 21	
				DRAWN	HR. NAGAYASU	15. 08. 21	
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