





APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C <sup>(1)</sup>	STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C <sup>(2)</sup>	
	VOLTAGE	200 V AC	OPERATING HUMIDITY RANGE	RELATIVE HUMIDITY 85% MAX (NOT DEWED)	
	CURRENT	1A	STORAGE HUMIDITY RANGE		
	APPLICABLE CABLE (AWG SIZE)	AWG28	APPLICABLE CABLE (OUTER DIAMETER)	φ 0.8 TO 1.0 mm	
SPECIFICATIONS					
ITEM	TEST METHOD	REQUIREMENTS	QT	AT	
<b>CONSTRUCTION</b>					
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	x	x	
MARKING	CONFIRMED VISUALLY.		x	x	
<b>ELECTRIC CHARACTERISTICS</b>					
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 BREAKDOWN.	x	-	
<b>MECHANICAL CHARACTERISTICS</b>					
CONTACT INSERTION AND EXTRACTION FORCES	□0.635±0.002 mm BY STEEL GAUGE.	INSERTION FORCE: 3.43 N MAX.  EXTRACTION FORCE: 0.39 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, TOTAL AMPLITUDE : 1.5 mm, -m/s <sup>2</sup> AT 2 h FOR 3 DIRECTION.	①NO ELECTRICAL DISCONTINUITY OF 1 μs. ②NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	-	
SHOCK	490 m/s <sup>2</sup> , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		x	-	
<b>ENVIRONMENTAL CHARACTERISTICS</b>					
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 -65→+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	-	
COUNT		DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
1 2		DIS-F-00012231	KJ. NISHIWAKI	HT. YAMAGUCHI	20220114
REMARK <sup>(1)</sup> TEMPERATURE RISE INCLUDED WHEN ENERGIZED. <sup>(2)</sup> THIS STORAGE INDICATES A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE THE BOARD MOUNTED.			APPROVED	KJ. KATAYOSE	20050105
 Spec sheet format renewal. Unless otherwise specified, refer to MIL-STD-202.			CHECKED	HS. OKAWA	20050105
			DESIGNED	KT. DOI	20050105
			DRAWN	KT. DOI	20050105
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-016192
		SPECIFICATION SHEET	PART NO.	HIF3A-20D-2. 54R	
		HIROSE ELECTRIC CO., LTD.	CODE NO.	CL0562-0059-0-00	 1/1