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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

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 FLASHOVER OR 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 -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	-
COUNT		DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
② 1		DIS-F-00010330	YS. NARA	HT. YAMAGUCHI	20210720
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	HT. YAMAGUCHI	20181211
			CHECKED	HT. YAMAGUCHI	20181211
			DESIGNED	MT. ITANO	20181211
			DRAWN	TS. HORI	20181207
Unless otherwise specified, refer to MIL-STD-202.					
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-386208-00-00
<b>HRS</b>	SPECIFICATION SHEET		PART NO.	HIF3B*-*D-2. 54R (63)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	② 1/1	