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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 ⁽¹⁾	STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C ⁽²⁾	
	VOLTAGE	200 V AC	OPERATING HUMIDITY RANGE	RELATIVE HUMIDITY 85% MAX (NOT DEWED)	
	CURRENT	1A	STORAGE HUMIDITY RANGE		
	APPLICABLE CABLE (AWG SIZE)	AWG28			
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±0.002 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 ² AT 2 h FOR 3 DIRECTION.		①NO ELECTRICAL DISCONTINUITY OF 1 μs. ②NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	-
SHOCK	490 m/s ² , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		②NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	-
ENVIRONMENTAL CHARACTERISTICS					
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→+5~+35→+125→+5~+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
					
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	HT. YAMAGUCHI	20181211
			CHECKED	HT. YAMAGUCHI	20181211
			DESIGNED	MT. ITANO	20181211
Unless otherwise specified, refer to MIL-STD-202.			DRAWN	TS. HORI	20181207
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-386206-00-00
	SPECIFICATION SHEET		PART NO.	HIF3B-*D-2. 54R (63)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.		1/1