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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	APPLICABLE CABLE (OUTER DIAMETER)	φ0.8 TO 1.0 mm

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).	15 mΩ MAX.	×	—
INSULATION RESISTANCE	500 V DC.	1000 MΩ MIN.	×	—
VOLTAGE PROOF	650 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	×	—
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.	×	—
MECHANICAL OPERATION	500 TIMES INSERTIONS AND EXTRACTIONS.	①CONTACT RESISTANCE: 15 mΩ MAX. ②NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
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.	×	—
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. (△1) (△1)	①CONTACT RESISTANCE: 15 mΩ MAX. ②INSULATION RESISTANCE:1000 MΩ MIN.	×	—
RAPID CHANGE OF TEMPERATURE (△2)	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.	×	—
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	①CONTACT RESISTANCE: 15 mΩ MAX. ②NO HEAVY CORROSION.	×	—

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△2	1	DIS-F-00010330	YS. NARA	HT. YAMAGUCHI	20210720

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-202.

APPROVED	HT. YAMAGUCHI	20181211
CHECKED	HT. YAMAGUCHI	20181211
DESIGNED	MT. ITANO	20181211
DRAWN	TS. HORI	20181207

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

DRAWING NO. ELC-386208-00-00

HRS

SPECIFICATION SHEET

HIROSE ELECTRIC CO., LTD.

PART NO. HIF3B*-*D-2.54R(63)

CODE NO. △2 1/1

FORM HD0011-2-1