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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	−25°C TO +85°C	STORAGE TEMPERATURE RANGE	−25°C TO +60°C
	OPERATING&STORAGE HUMIDTY RANGE	85%MAX	—	—
	VOLTAGE	AC 125V	CURRENT	0.5 A

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
ELECTRICAL CHARACTERISTICS				
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	1 > 2 USING IDC TYPE : 50mΩ MAX. (SIGNAL) △1 1 > 3 USING SOLDER TYPE : 65mΩ MAX. (SIGNAL)	X	—
INSULATION RESISTANCE	100 V DC.	1000 MΩ MIN.	X	—
VOLTAGE PROOF	250 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	X
MECHANICAL CHARACTERISTICS				
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE 30N MAX. WITHDRAWAL FORCE 3 N MIN.	X	—
MECHANICAL OPERATION	1000 TIMES INSERTIONS AND EXTRACTIONS.	1) CONTACT RESISTANCE 1 △1 2 USING IDC TYPE : 70mΩ MAX. 3 USING SOLDER TYPE : 85mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
VIBRATION	FREQUENCY 10 TO 55 Hz SINGLE AMPLITUDE 0.75 mm, 5 min/CYCLE, TOTAL 10 CYCLES.	1) NO ELECTRICAL DISCONTINUITY OF 10 μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
SHOCK	490 m/s^2 DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		X	—
ENVIRONMENTAL CHARACTERISTICS				
THERMAL SHOCK	TEMP −55 →+5 TO +35 →+85 →+5 TO +35 °C TIME 30 → 5 → 30 → 5 min. UNDER 5 CYCLES.	1) CONTACT RESISTANCE 1 △1 2 USING IDC TYPE : 70mΩ MAX. 3 USING SOLDER TYPE : 85mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
HUMIDITY LIFE	TEMPERATURE 40 °C, HUMIDITY 90 TO 95 %, FOR 96 h	1) INSULATION RESISTANCE: 100 MΩ MIN. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
CORROSION SALT MIST	EXPOSED AT 5 % SALT WATER, FOR 48 h.	NO HEAVY CORROSION THAT LOSE FUNCTION.	X	—

1 > EXCLUDES CONDUCTOR RESISTANCE OF CABLE.
△1 2 > EXAMINATION IS HELD WITH “DH-27-CT*B” , “DH3*B-27S” AND “DH80A-27P”. (PLUG : IDC TYPE)
△1 3 > EXAMINATION IS HELD WITH “DH-27-CT*B” , “DH40-27S” AND “DH80A-27P”. (PLUG : SOLDER TYPE)

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△1	5	DIS-E-003449	TY. MIURA	AH. KODAMA	10. 10. 13

REMARK

Unless otherwise specified, refer to JIS C 5402.

APPROVED	AO. SUZUKI	10. 09. 02
CHECKED	KN. ICHIKAWA	10. 09. 02
DESIGNED	MO. SHIMOYAMA	10. 09. 02
DRAWN	MO. SHIMOYAMA	10. 09. 02

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

DRAWING NO. ELC4-127044-00

HRS	SPECIFICATION SHEET	PART NO.	DH80A-27P	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL244-0052-5-00 △1	1/1

FORM HD0011-2-1