

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

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COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
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APPLICABLE STANDARD		-55 °C TO 85 °C		STORAGE TEMPERATURE RANGE		°C TO °C	
RATING		250 V AC		OPERATING HUMIDITY RANGE		% TO %	
CURRENT		0.5 A		APPLICABLE CABLE			

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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CONSTRUCTION
GENERAL EXAMINATION VISUALLY AND BY MEASURING INSTRUMENT. ACCORDING TO DRAWING.

MARKING
CONFIRMED VISUALLY.

ELECTRIC CHARACTERISTICS

CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	<input checked="" type="checkbox"/>	35 mΩ MAX.	<input type="radio"/>	<input type="radio"/>
INSULATION RESISTANCE	500 V DC.		500 MΩ MIN.	<input type="radio"/>	<input type="radio"/>
VOLTAGE PROOF	500 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	<input type="radio"/>	<input type="radio"/>

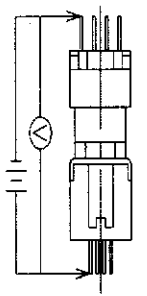
MECHANICAL CHARACTERISTICS

INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	31.4 N MIN. 117.6 N MAX.	<input type="radio"/>	<input type="radio"/>
MECHANICAL OPERATION	1000 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 35 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	<input checked="" type="radio"/>	<input type="radio"/>
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, — m/s² AT 2h, FOR 3 DIRECTIONS.	NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	<input type="radio"/>	<input type="radio"/>
SHOCK	490 m/s² DURATION OF PULSE 11 ms AT 3 TIMES FOR 6 DIRECTIONS.		<input type="radio"/>	<input type="radio"/>

ENVIRONMENTAL CHARACTERISTICS

RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → 5~35 → 85 → 5~35 °C TIME 30 → 2~3 → 30 → 2~3 min UNDER 5 CYCLES.	NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	<input type="radio"/>	<input type="radio"/>
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 °C, 90~95 %, 96 h.	INSULATION RESISTANCE: 1 MΩ MIN. (AT HIGH HUMIDITY.) 100 MΩ MIN. (AT DRY.)	<input type="radio"/>	<input type="radio"/>
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	NO HEAVY CORROSION.	<input type="radio"/>	<input type="radio"/>
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, 260 ± 5 °C FOR IMMERSION, DURATION 10 ± 1 S.	NO DEFORMATION OF CASE AND EXCESSIVE LOOSENESS OF THE TERMINALS.	<input type="radio"/>	<input type="radio"/>
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 245 ± 2 °C FOR IMMERSION, DURATION 3 ± 1 S.	MIN. 95 % OF SOLDER IMMERSED AREA SHALL BE COVERED NEW SOLDER COATING.	<input type="radio"/>	<input type="radio"/>

NOTE: MEASUREMENT POINT OF CONTACT RESISTANCE



REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
	<i>Y. Yamaguchi</i>	<i>Y. Yamaguchi</i>	<i>Y. Yamaguchi</i>	<i>Y. Yamaguchi</i>	
Unless otherwise specified, refer to JIS C 5402. Note QT: Qualification Test AT: Assurance Test <input type="radio"/> Applicable Test					
03.10.21 / 03.10.21 / 03.10.22 / 03.10.22					

HRS HIROSE ELECTRIC CO., LTD. SPECIFICATION SHEET PART NO. DX20BM-80S(50)

CODE NO.(OLD) CL DRAWING NO. ELC4-041446-01 CODE NO. CL230-5021-6-50

1 / 1