

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

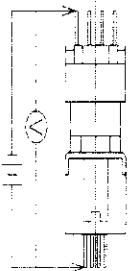
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COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
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APPLICABLE STANDARD		OPERATING TEMPERATURE RANGE	STORAGE TEMPERATURE RANGE	OPERATING HUMIDITY RANGE
		-55 °C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

SPECIFICATIONS		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). <input checked="" type="checkbox"/> 1	○	○
INSULATION RESISTANCE		500 V DC.	35 MΩ MAX.	○	○
VOLTAGE PROOF		500 V AC FOR 1 min.	500 MΩ MIN. NO FLASHOVER OR BREAKDOWN.	○	○
MECHANICAL CHARACTERISTICS		MEASURED BY APPLICABLE CONNECTOR.	7.9 N MIN. 29.4 N MAX.	○	-
INSERTION AND WITHDRAWAL FORCES		1000 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 35 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○	-
MECHANICAL OPERATION		VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, --- m/s ² AT 2 h, FOR 3 DIRECTIONS.	○	-
SHOCK		490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 6 DIRECTIONS.	NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○	-
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.	○	-
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.)	○	-
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	NO HEAVY CORROSION.	○	-
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.	○	-
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.	○	-

NOTE: MEASUREMENT POINT OF CONTACT RESISTANCE



REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
Unless otherwise specified, refer to JIS C 5402. Note QT: Qualification Test AT: Assurance Test ○: Applicable Test	<i>Y. Yamamoto</i>	<i>Y. Yamamoto</i>	<i>Y. Yamamoto</i>	<i>Y. Yamamoto</i>	

HRS HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO. DX20M-20S(50)
CODE NO.(OLD) CL	DRAWING NO. ELC4-041443-01	CODE NO. CL230-5013-8-50
		FORM No.231-1