

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

TO
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COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△					△				
△					△				
△					△				

APPLICABLE STANDARD									
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RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C	STORAGE TEMPERATURE RANGE	°C TO °C
	VOLTAGE	250 V AC	OPERATING HUMIDITY RANGE	% TO %
	CURRENT	0.5 A	APPLICABLE CABLE	

SPECIFICATIONS	
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ITEM	TEST METHOD	REQUIREMENTS	Q T A T
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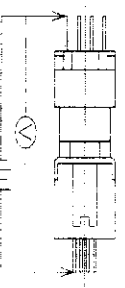
CONSTRUCTION	GENERAL EXAMINATION VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	○ ○ ○
MARKING	CONFIRMED VISUALLY.		○ ○ ○

ELECTRIC CHARACTERISTICS	CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	①	35 mΩ MAX.	○ ○ ○
	INSULATION RESISTANCE	500 V DC.		500 MΩ MIN.	○ ○ ○
	VOLTAGE PROOF	500 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	○ ○ ○

MECHANICAL CHARACTERISTICS	INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.		26.7 N MIN. 100.0 N MAX.	○ ○ ○
	MECHANICAL OPERATION	1000 TIMES INSERTIONS AND EXTRACTIONS.	①	① CONTACT RESISTANCE: 35 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○ ○ ○
	VIBRATION	FREQUENCY 10 TO 55 Hz SINGLE AMPLITUDE 0.75 mm, — m/s ² AT 2h, FOR 3 DIRECTIONS.		NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○ ○ ○
	SHOCK	490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 6 DIRECTIONS.			○ ○ ○

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.	○ ○ ○
	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.				<i>Y. Enami</i>	<i>H. Murai</i>	
Note Q T: Qualification Test AT: Assurance Test O: Applicable Test				02.10.16	03.10.16	

HRS HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO.
CL	ELC4-040941-01	DX20M-68S(50)
CODE NO (OLD)	DRAWING NO.	CODE NO.
	ELC4-040941-01	CL230-5017-9-50
		FORM No.231-1