

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

TO
Q

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	Q	T	A
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.		
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.		10.2 N MIN. 38.2 N MAX.		
MECHANICAL OPERATION	1000 TIMES INSERTIONS AND EXTRACTIONS.	<input checked="" type="checkbox"/>	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. Note Q1: Qualification Test AT: Assurance Test O: Applicable Test	<i>Y. Enami</i>	<i>Y. Enami</i>	<i>Y. Enami</i>	<i>H. Minami</i>	

HRS HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO.	DX20M-26S(50)
CODE NO.(OLD) CL	DRAWING NO. ELC4-041444-01	CODE NO. CL230-5014-0-50	
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FORM No.231-1