

In case of consideration for using Autom otive equipm ent/device which dem and high reliability, kindly contactour sales w indow correspondents.

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

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

SPECIFICATIONS

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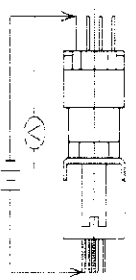
CONSTRUCTION		GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	○	○
MARKING		CONFIRMED VISUALLY.			○	○

ELECTRIC CHARACTERISTICS		CONTACT RESISTANCE	100 mΩ (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		MEASURED BY APPLICABLE CONNECTOR.		19.7 N MIN. 73.5 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.			○	—
SHOCK		490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 6 DIRECTIONS.			○	—

ENVIRONMENTAL CHARACTERISTICS		TEMPERATURE RANGE	-55 → 5~35 → 85 → 5~35 °C	NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○	—
TEMPERATURE		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: ① MEASUREMENT POINT OF CONTACT RESISTANCE



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

HRS HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET		PART NO. DX20M-50S(50)	
CODE NO.(OLD)	DRAWING NO.	CODE NO.			
CL	ELC4-040855-01	CL230-5016-6-50			
				1	1