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

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

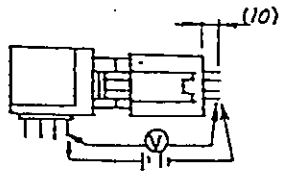
APPLICABLE STANDARD

RATING				
	OPERATING TEMPERATURE RANGE	-55 ℃ TO 85 ℃	STORAGE TEMPERATURE RANGE	— ℃ TO — ℃
	VOLTAGE	AC 250 V	OPERATING HUMIDITY RANGE	— % TO — %
	CURRENT	0.5 A	APPLICABLE CABLE	UL2789 AWG No. 28

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	○	○
MARKING	CONFIRMED VISUALLY.		○	○
ELECTRICAL CHARACTERISTICS				
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	35 mΩ MAX. [1]	○	○
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD.	20 mV MAX. — mA (DC OR 1000 Hz).		—	—
INSULATION RESISTANCE	500 V DC	500 MΩ MIN.	○	○
VOLTAGE PROOF	500 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	○	○
MECHANICAL CHARACTERISTICS				
CONTACT INSERTION AND EXTRACTION FORCES	— BY STEEL GAUGE.	INSERTION FORCE — N MAX. EXTRACTION FORCE — N MIN.	—	—
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE 29.4 N MAX. EXTRACTION FORCE 7.8 N MIN.	○	—
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 0.76 mm. m/s² AT 2 h FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② CONTACT RESISTANCE: — mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	○	—
SHOCK	490 m/s² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTION.		○	—
ENVIRONMENTAL CHARACTERISTICS				
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → 5~35 → 85 → 5~35 ℃ TIME 30 → 10~15 → 30 → 10~15 min UNDER 5 CYCLES.	① CONTACT RESISTANCE: — mΩ MAX. ② INSULATION RESISTANCE: — MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	○	—
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ℃, 90 ~ 95 %, 96 h.	① CONTACT RESISTANCE: — mΩ MAX. ② INSULATION RESISTANCE: [2] MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	○	—
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	① CONTACT RESISTANCE: — mΩ MAX. ② NO HEAVY CORROSION.	○	—
HYDROGEN SULPHIDE	EXPOSED IN — PPM FOR — h. (TEST STANDARD: JEIDA-38)		—	—

[1] CONTACT RESISTANCE TEST POSITION



[2] AT DRY 100 MΩ MIN.
AT HIGH HUMIDTY 1 MΩ MIN.

REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
Unless otherwise specified, refer to JIS C 5402.	H. Tanaka 96.4.22	H. Tanaka 96.4.22	H. Tanaka 96.4.22	96.4.22	

Note QT: Qualification Test AT: Assurance Test ○: Applicable Test

HRS HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO. DX40M-20P	
CODE NO. (OLD) CL	DRAWING NO. ESLC4-43316	CODE NO. CL230-5033-5	1/1

TO
Q1

FORM No. 231-1