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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
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CONSTRUCTION

GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	<input type="checkbox"/>	<input type="checkbox"/>
MARKING	CONFIRMED VISUALLY.		<input type="checkbox"/>	<input type="checkbox"/>

ELECTRICAL CHARACTERISTICS

CONTACT RESISTANCE	100 ΩA (DC OR 1000 Hz).	35 Ω MAX. \triangleright	<input type="checkbox"/>	<input type="checkbox"/>
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD.	20 mV MAX. — ΩA (DC OR 1000 Hz).		<input type="checkbox"/>	<input type="checkbox"/>
INSULATION RESISTANCE	500 V DC	500 MΩ MIN.	<input type="checkbox"/>	<input type="checkbox"/>
VOLTAGE PROOF	500 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	<input type="checkbox"/>	<input type="checkbox"/>

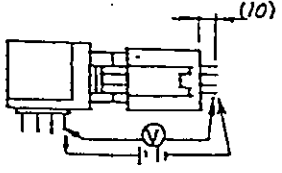
MECHANICAL CHARACTERISTICS

CONTACT INSERTION AND EXTRACTION FORCES	— BY STEEL GAUGE.	INSERTION FORCE — N MAX. EXTRACTION FORCE — N MIN.	<input type="checkbox"/>	<input type="checkbox"/>
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE 29.4 N MAX. EXTRACTION FORCE 7.8 N MIN.	<input type="checkbox"/>	<input type="checkbox"/>
MECHANICAL OPERATION	1000 TIMES INSERTIONS AND EXTRACTIONS. \triangleright	① CONTACT RESISTANCE: 35 Ω MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS	<input type="checkbox"/>	<input type="checkbox"/>
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.76 ms, a/s ² AT 2 b FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② CONTACT RESISTANCE: — Ω MAX.	<input type="checkbox"/>	<input type="checkbox"/>
SHOCK	490 ms ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTION.	① NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	<input type="checkbox"/>	<input type="checkbox"/>

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: — Ω MAX. ② INSULATION RESISTANCE: — MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	<input type="checkbox"/>	<input type="checkbox"/>
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ℃, 90 ~ 95 % H. 96 h.	① CONTACT RESISTANCE: — Ω MAX. ② INSULATION RESISTANCE: \triangleright MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	<input type="checkbox"/>	<input type="checkbox"/>
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	① CONTACT RESISTANCE: — Ω MAX. ② NO HEAVY CORROSION.	<input type="checkbox"/>	<input type="checkbox"/>
HYDROGEN SULPHIDE	EXPOSED IN — PPM FOR — h. (TEST STANDARD: JEIDA-38)		<input type="checkbox"/>	<input type="checkbox"/>

\triangleright CONTACT RESISTANCE TEST POSITION \triangleright AT DRY 100 MΩ MIN.
AT HIGH HUMIDITY 1 MΩ MIN.



REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
Unless otherwise specified, refer to JIS C 5402.	H. Tanaka	H. Tanaka	H. Tanaka	S. Tanaka	
Note QT: Qualification Test AT: Assurance Test ○: Applicable Test	96.4.22	96.4.22	96.4.22	96.4.22	

HRS HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO. DX 40M-20P
CODE NO. (OLD) CL	DRAWING NO. ESLCA-43316	CODE NO. CL 230-5033-5

