

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

APPLICABLE STANDARD

RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C	STORAGE TEMPERATURE RANGE	- °C TO - °C
	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 ΩA (DC OR 1000 Hz).	35 Ω MAX. \triangleright	○	○
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD.	20 mV MAX. — ΩA (DC OR 1000 Hz).		-	-
INSULATION RESISTANCE	500 V DC	500 MΩ MIN.	○	○
VOLTAGE PROOF	500 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	○	○

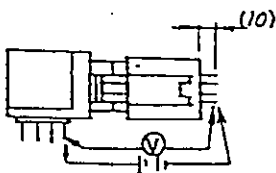
MECHANICAL CHARACTERISTICS

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. \triangleright	① CONTACT RESISTANCE: 35 Ω MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS	○	-
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.76 mm, a/s ² AT 2 b FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② CONTACT RESISTANCE: — Ω MAX.	○	-
SHOCK	490 a/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTION.	① NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	○	-

ENVIRONMENTAL CHARACTERISTICS

RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 - 5 ~ 35 - 85 - 5 ~ 35 °C 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.	○	-
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 °C, 90 ~ 95 % H. 96 h.	① CONTACT RESISTANCE: — Ω MAX. ② INSULATION RESISTANCE: \triangleright 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: — Ω MAX. ② NO HEAVY CORROSION.	○	-
HYDROGEN SULPHIDE	EXPOSED IN — PPM FOR — h. (TEST STANDARD: JEIDA-38)		-	-

\triangleright CONTACT RESISTANCE TEST POSITION \triangleright 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	H. Tanaka	H. Tanaka	S. Tanaka	
	96.4.22	96.4.22	96.4.22	96.4.22	

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

HRS HIROSE ELECTRIC CO., LTD. SPECIFICATION SHEET PART NO. DX 40M-20P

CODE NO. (OLD)	DRAWING NO.	CODE NO.	
CL	ESLCA-43316	CL 230-5033-5	1/1

TO
Q1

