

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

APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	- 5 5 °C TO 8 5 °C	STORAGE TEMPERATURE RANGE	- °C TO - °C
	VOLTAGE	2 5 0 V	OPERATING HUMIDITY RANGE	- % TO - %
	CURRENT	0 . 5 A	APPLICABLE CABLE	UL2789 AWG # 28

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	☐	☐
MARKING	CONFIRMED VISUALLY.		☐	☐
ELECTRIC CHARACTERISTICS				
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	1 35 mΩ MAX.	☐	☐
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				
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE 19.6 N MAX. EXTRACTION FORCE 73.5 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 1.52 mm, - m/s ² AT 2 h, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② CONTACT RESISTANCE: - mΩ MAX.	☐	☐
SHOCK	490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIME FOR 3 DIRECTION.	③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	☐	☐
ENVIRONMENTAL CHARACTERISTICS				
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → 5~35 → 85 → 5~35 °C TIME 30 → 5 → 30 → 5 min UNDER 5 CYCLES.	① CONTACT RESISTANCE: - mΩ MAX. ② INSULATION RESISTANCE: 500 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	☐	☐
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 °C, 90 ~ 95 %, 96 h.	① CONTACT RESISTANCE: - mΩ MAX. ② INSULATION RESISTANCE: 500 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.	☐	☐
HYDROGEN SULPHIDE	EXPOSED IN PPM FOR h. (TEST STANDARD: JEIDA-38)	② NO HEAVY CORROSION.	☐	☐

1 CONTACT RESISTANCE TEST POSITION

REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
Unless otherwise specified, refer to JIS C 5402.	J. Minami	H. Shibata	H. Tsuruta	H. Tanaka	
	99.3.8	99.3.8	99.3.8	99.3.8	

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

	HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO.
			DX 3 0 AM-5 0 P
CODE NO.(OLD)	DRAWING NO.	PART NO.	
CL	ELC 4-0 4 2 4 7 5	CL 2 3 0-5 0 2 8-5	1/1