

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
Δ					Δ				
Δ					Δ				

APPLICABLE STANDARD									
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
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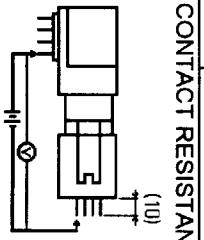
CONSTRUCTION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.		○
MARKING	CONFIRMED VISUALLY.			○

ELECTRIC CHARACTERISTICS				
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	▷ 35 mΩ MAX.		○
CONTACT RESISTANCE	20 mV MAX, mA(DC OR 1000 Hz).			○
MILLIVOLT LEVEL METHOD.				-
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 CONTACT RESISTANCE: 35 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.		○
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 1.52 mm, - ms ² AT 2 h, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② CONTACT RESISTANCE: - mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.		○
SHOCK	490 ms 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.		○



REMARKS		DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
Unless otherwise specified, refer to JIS C 5402.		<i>T. Yumino</i>	<i>S. Akimura</i>	<i>H. Tanaka</i>	<i>H. Tanaka</i>	
Note QT: Qualification Test AT: Assurance Test ○: Applicable Test		99.3.8	99.3.8	99.3.8	99.3.8	

HRS HIROSE ELECTRIC CO., LTD. SPECIFICATION SHEET PART NO. DX30AM-50P

CODE NO.(OLD)	DRAWING NO.	PART NO.	1
CL	ELC4-042475	CL230-5028-5	1

TO	Q1