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

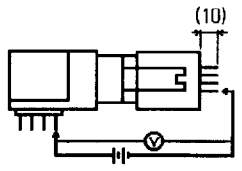
	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE		COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△						△					
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APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	−55°C TO 85°C	STORAGE TEMPERATURE RANGE	− °C TO − °C
	VOLTAGE	250 V	OPERATING HUMIDITY 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 FARCE 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
	J. Miura	K. Ichihara	H. Tanaka	H. Tanaka	
Unless otherwise specified, refer to JIS C 5402.	99.3.8	99.3.8	99.3.8	99.3.8	

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

HRS HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO. DX30AM−50P	
CODE NO.(OLD) CL	DRAWING NO. ELC4−042475	PART NO. CL230−5028−5	1/1

TO
Q1
USA

FORM No. 231-1