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 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	- 5 5 °C TO 8 5 °C	STORAGE TEMPERATURE RANGE - 5 5 °C TO 8 5 °C
	VOLTAGE	1 2 5 V	OPERATING HUMIDITY RANGE - % TO - %
	CURRENT	0 . 5 A	APPLICABLE CABLE AWG # 28

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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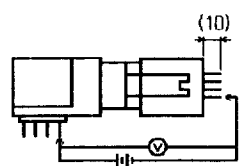
CONSTRUCTION				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	○	○
MARKING	CONFIRMED VISUALLY.		○	○

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 26.66 N MAX. EXTRACTION FARCE 99.96 N MIN.	○	-
MECHANICAL OPERATION	1000 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 70 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○	-
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.76 mm, - m/s ² AT 2 h, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② CONTACT RESISTANCE: 70 Ω 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: 70 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: 70 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: 70 mΩ MAX.	○	-
HYDROGEN SULPHIDE	EXPOSED IN 3 PPM FOR 120 h. (TEST STANDARD: JEIDA-38)	② NO HEAVY CORROSION.	○	-

① CONTACT RESISTANCE TEST POSITION



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

HS HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO. DX30AM-68P
CODE NO.(OLD) CL	DRAWING NO. ELC4-040387	PART NO. CL230-5029-8
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