

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
△					△				
△					△				
△					△				

<b>APPLICABLE STANDARD</b>		— 5 5 °C TO 8 5 °C		<b>STORAGE TEMPERATURE RANGE</b>		— 5 5 °C TO 8 5 °C	
<b>RATING VOLTAGE</b>		1 2 5 V		<b>OPERATING HUMIDITY RANGE</b>		— % TO — %	
<b>CURRENT</b>		0 . 5 A		<b>APPLICABLE CABLE</b>		AWG # 28	

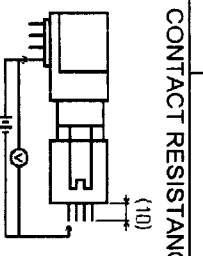
**SPECIFICATIONS**

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

<b>ELECTRIC CHARACTERISTICS</b>				
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.	○	○

<b>MECHANICAL CHARACTERISTICS</b>				
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE 26.66 N MAX. EXTRACTION FORCE 99.96 N MIN.	○	—
MECHANICAL OPERATION	1000 TIMES INSERTIONS AND EXTRACTATIONS.	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 <sup>2</sup> AT 2 h, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② CONTACT RESISTANCE: 70 Ω MAX. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○	—
SHOCK	490 m/s <sup>2</sup> DIRECTIONS OF PULSE 11 ms AT 3 TIME FOR 3 DIRECTION.		○	—

<b>ENVIRONMENTAL CHARACTERISTICS</b>				
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.	○	—



<b>REMARKS</b>				
<p>① ↗ CONTACT RESISTANCE TEST POSITION</p> <p>Unless otherwise specified, refer to JIS C 5402.</p>				
Drawn	Designed	Checked	Approved	Released
<i>R. Suda</i>	<i>R. Suda</i>	<i>T. Kato</i>	<i>R. Tanaka</i>	
198.05.23	198.05.23	198.05.23	198.1.27	

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

<b>HRS</b> HIROSE ELECTRIC CO., LTD. CODE NO.(OLD) CL	DRAWING NO. ELC4-040387	PART NO. CL230-5029-8	SPECIFICATION SHEET DX30AM-68P	PART NO. 1
--	----------------------------	--------------------------	-----------------------------------	---------------

ISO 9001  
 TQC  
 USA