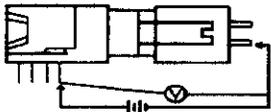


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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△					△				
△					△				
<b>APPLICABLE STANDARD</b>									
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C			STORAGE TEMPERATURE RANGE	— °C TO — °C			
	VOLTAGE	AC 250 V			OPERATING HUMIDITY RANGE	— % TO — %			
	CURRENT	0.5 A			APPLICABLE CABLE	—			
<b>SPECIFICATIONS</b>									
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).			① 35 mΩ MAX.			○ ○	
INSULATION RESISTANCE		500V 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		40 N MIN.		○
					EXTRACTION FORCE		147 N MAX.		—
MECHANICAL OPERATION		1000 TIMES INSERTIONS AND EXTRACTIONS.			① CONTACT RESISTANCE: ① 35mΩ MAX.			○	
					② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			—	
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, - m/s <sup>2</sup> AT 2 h, FOR 3 DIRECTIONS.			NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			○	
SHOCK		490 m/s <sup>2</sup> DIRECTIONS OF PULSE 11 ms AT 3 TIME FOR 6 DIRECTION.						○	
<b>ENVIRONMENTAL CHARACTERISTICS</b>									
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55 → 5~35 → 85 → 5~35 °C TIME 30 → 2~3 → 30 → 2~3 min UNDER 5 CYCLES.			NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			○	
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 °C, 90~95 %RH, 96 h.			① INSULATION RESISTANCE AT HIGH HUMIDITY 1 MΩ MIN. AT DRY 100 MΩ MIN.			○	
					② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			—	
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.			NO HEAVY CORROSION.			○	
NOTE ① CONTACT RESISTANCE TEST POSITION.									
									
REMARKS				DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	
				<i>F. Saniguchi</i>	<i>F. Saniguchi</i>	<i>Y. Enami</i>	<i>S. Matsuyuki</i>		
				02.08.19	02.08.19	02.08.19	02.08.19		
Unless otherwise specified, refer to JIS C 5402.									
Note QT:Qualification Test AT:Assurance Test ○:Applicable Test									
<b>HS</b> HIROSE ELECTRIC CO., LTD.				SPECIFICATION SHEET			PART NO. DX40M-100P		
CODE NO.(OLD)		DRAWING NO.			PART NO.			1/1	
GL		ELC4-041449			CL230-5039-1				

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