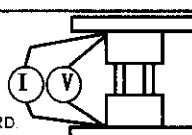


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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	
△					△					
△					△					
APPLICATION STANDARD										
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C			STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C				
	VOLTAGE	AC 50 V			OPERATING HUMIDITY RANGE	RELATIVE HUMIDITY : 95 % MAX (NO DEW CONDENSATION IS PERMITTED)				
	CURRENT	0.4 A								
SPECIFICATIONS										
ITEM		TEST METHOD			REQUIREMENT			QT	AT	
CONSTRUCTION										
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT			ACCORDING TO DRAWING			X	X	
MARKING		CONFIRMED VISUALLY.						X	X	
ELECTRICAL CHARACTERISTICS										
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz).			110 mΩ MAX.			X	X	
INSULATION RESISTANCE		100 V DC.			100 MΩ MIN.			X	-	
VOLTAGE PROOF		150 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.			X	X	
MECHANICAL CHARACTERISTICS										
INSERTION AND WITHDRAWAL FORCE		MEASURED BY APPLICABLE CONNECTOR.			INSERTION FORCE: 180.0 N MAX. WITHDRAWAL FORCE: 15.0 N MIN.			X	-	
MECHANICAL OPERATION		20 TIMES INSERTION AND EXTRACTION.			1)CONTACT RESISTANCE: 120 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.			X	-	
VIBRATION		FREQUENCY: 10 TO 55 Hz, SINGLE AMPLITUDE: 0.75 mm, - m/s ² 10 CYCLES IN 3 DIRECTIONS.			1)NO ELECTRICAL DISCONTINUITY OF 1 μs MIN. 2)NO DAMAGE, CRACK AND LOOSENESS OF PART.			X	-	
SHOCK		490 m/s ² DURATION OF PULSE 11 ms, 3 TIMES IN 3 DIRECTIONS.						X	-	
ENVIRONMENTAL CHARACTERISTICS										
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 °C, 90~95 %, 96 h.			1)CONTACT RESISTANCE: 120 mΩ MAX. 2)INSULATION RESISTANCE: 100 MΩ MIN.			X	-	
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55→-15~35→ 85→-15~35°C TIME 30→ 2~ 3→ 30→ 2~ 3 min. UNDER 5 CYCLES.			3)NO DAMAGE, CRACK AND LOOSENESS OF PART.			X	-	
DRY HEAT		EXPOSED AT 85 °C, 96 h.			1)CONTACT RESISTANCE: 120 mΩ MAX.			X	-	
COLD		EXPOSED AT -55 °C, 96 h.			2)NO DAMAGE, CRACK AND LOOSENESS OF PART.			X	-	
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.			NO HEAVY CORROSION.			X	-	
SULPHUR DIOXIDE		EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD:JIS C 0090)			1)CONTACT RESISTANCE: 120 mΩ MAX. 2)NO HEAVY CORROSION.			X	-	
REMARKS										
*) THE VALUE OF CONTACT RESISTANCE INCLUDES 2 CONTACT POINTS AND THE BULK RESISTANCE OF A TRANSMISSION BOARD. UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 5402.						DRAWN J. Takada 01.08.02	DESIGNED J. Takada 01.08.02	CHECKED S. Ohara 01.08.02	APPROVED M. Moriyama 01.08.03	RELEASED
NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST										
HS HIROSE ELECTRIC CO., LTD.				SPECIFICATION SHEET			PART NO.			
CODE NO.(OLD)				DRAWING NO.		CODE NO.		1		
CL				ELC4 - 153472		CL 641 - 0231 - 8		1		

TO
PCK