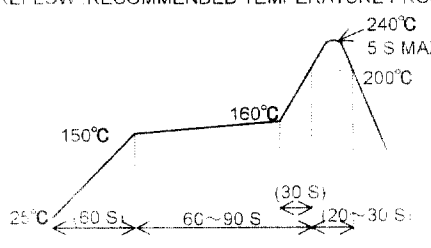


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 In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	
△	1	RE-F-06478	J.M	md	99.7.29	△				
△					△					
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	0.3 A								
SPECIFICATIONS										
ITEM		TEST METHOD			REQUIREMENT			QT	AT	
CONSTRUCTION										
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT			ACCORDING TO DRAWING			○	○	
MARKING		CONFIRMED VISUALLY.						○	○	
ELECTRICAL CHARACTERISTICS										
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz).			60 mΩ MAX.			○	○	
INSULATION RESISTANCE		100 V DC.			100 MΩ MIN.			○	—	
VOLTAGE PROOF		150 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.			○	○	
MECHANICAL CHARACTERISTICS										
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.			INSERTION FORCE: 69.6 N MAX WITHDRAWAL FORCE: 2.9 N MIN			○	—	
MECHANICAL OPERATION		50 TIMES INSERTION AND EXTRACTIONS.			1) CONTACT RESISTANCE: 70 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.			○	—	
VIBRATION		FREQUENCY: 10 TO 55 Hz, SINGLE AMPLITUDE: 0.75 mm. — m/s ² AT 10 CYCLES FOR 3 DIRECTIONS.			1) NO ELECTRICAL DISCONTINUITY OF 1 μs MIN 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.			○	—	
SHOCK		490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.						○	—	
ENVIRONMENTAL CHARACTERISTICS										
DAMP HEAT (STEADY STATE)		EXPOSED AT 40±2 °C, 90~95 %, 96 h			1) CONTACT RESISTANCE: 70 mΩ MAX. 2) INSULATION RESISTANCE: 100 MΩ MIN.			○	—	
RAPID CHAGE OF TEMPERTURE		TEMPERTURE -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.			○	—	
DRY HEAT		EXPOSED AT 85 °C, 96 h.			1) CONTACT RESISTANCE: 70 mΩ MAX.			○	—	
COLD		EXPOSED AT -55 °C, 96 h.			2) NO DAMAGE, CRACK AND LOOSENESS OF PART.			○	—	
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.			NO HEAVY CORROSION.			○	—	
SULPHUR DIOXIDE		EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JIS C 0090)			1) CONTACT RESISTANCE: 70 mΩ MAX. 2) NO HEAVY CORROSION.			○	—	
RESISTANCE TO SOLDERING HEAT		REFLOW: RECOMMENDED TEMPERATURE PROFILE  25°C ← 60 S ← 150°C ← 60~90 S ← 160°C ← (30 S) ← 240°C ← 5 S MAX ← 200°C ← 120~30 S TO BE TESTED UNDER THE ABOVE CONDITIONS			NO MELTING OF RESIN WHICH AFFECTS THE PERFORMANCE OF COMPONENT.			○	—	
SOLDRABILITY		SOLDERED AT SOLDER TEMPERATURE. 235 °C FOR IMMERSION DURATION, 2 s.			NO PINHOLE OR DEWETTING ON SOLDERED SURFACE			○	—	
REMARKS				DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED		
				S.Kitajima 99.05.25	J. Matsukawa 99.05.25	M.Ishida 99.05.26	Y.Yoshimura 99.05.27			
UNLESS OTERWISE SPECIFIED, REFER TO JIS C 5402.										
NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST ○ APPLICABLE TEST										
HRS HIROSE ELECTRIC CO. LTD.		SPECIFICATION SHEET			PART NO					
CODE NO (OLD)		DRAWING NO			CODE NO					
CL		ELC4 - 152106 -			CL 573 - 0054 - 0					
					1					
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