

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
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APPLICATION STANDARD			
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C	STORAGE TEMPERATURE RANGE
	VOLTAGE	AC 50 V	OPERATING HUMIDITY RANGE
	CURRENT	0.3 A	RELATIVE HUMIDITY : 95 % MAX (NO DEW CONDENSATION IS PERMITTED)

  

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).	60 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: 57.6 N MAX. WITHDRAWAL FORCE: 2.4 N MIN.	X -			
MECHANICAL OPERATION	50 TIMES INSERTION AND EXTRACTION.	1) CONTACT RESISTANCE: 70 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.	X -			
VIBRATION	FREQUENCY: 10 TO 55 Hz, SINGLE AMPLITUDE: 0.75 mm, -- m/s <sup>2</sup> WITH 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 <sup>2</sup> DURATION OF PULSE 11 ms FOR 3 TIMES IN 3 DIRECTIONS.		X -			
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.	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: 70 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: 70 mΩ MAX. 2) NO HEAVY CORROSION.	X -			
RESISTANCE TO SOLDERING HEAT	REFLOW : RECOMMENDED TEMPERATURE PROFIL  TO BE TESTED UNDER THE ABOVE CONDITIONS	NO MELTING OF RESIN WHICH AFFECTS THE PERFORMANCE OF COMPONENT.	X -			
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 235 °C FOR IMMERSION DURATION, 2 s.	NO PINHOLE OR DEWETTING ON SOLDERED SURFACE.	X -			
REMARKS		DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
		J. Takada	J. Takada	M. Ishida	T. Yoshimura	
UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 5402.		00.01.13	00.01.13	00.01.13	00.01.13	
NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST						
HRS HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET		PART NO.		
CODE NO.(OLD)		DRAWING NO.		CODE NO.		1
CL		ELC4 - 151988 - 01		CL 570 - 0251 - 2 - 21		1