

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
1	RE-F-06478	J.M	m.2	99.7.29					

<b>APPLICATION STANDARD</b>			
<b>RATING</b>	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
<b>CONSTRUCTION</b>			
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING	○ ○
MARKING	CONFIRMED VISUALLY.		○ ○
<b>ELECTRICAL CHARACTERISTICS</b>			
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	70 mΩ MAX.	○ ○
INSULATION RESISTANCE	100 V DC.	100 MΩ MIN.	○ -
VOLTAGE PROOF	150 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	○ ○
<b>MECHANICAL CHARACTERISTICS</b>			
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE: 48 N MAX WITHDRAWAL FORCE: 2 N MIN.	○ -
MECHANICAL OPERATION	50 TIMES INSERTION AND EXTRACTIONS.	1)CONTACT RESISTANCE: 80 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 <sup>2</sup> DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		○ -
<b>ENVIRONMENTAL CHARACTERISTICS</b>			
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90~95 %, 96 h.	1)CONTACT RESISTANCE: 80 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~ 3min. UNDER 5 CYCLES.	3)NO DAMAGE, CRACK AND LOOSENESS OF PART.	○ -
DRY HEAT	EXPOSED AT 85 °C, 96 h.	1)CONTACT RESISTANCE: 80 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: 80 mΩ MAX. 2)NO HEAVY CORROSION.	○ -
RESISTANCE TO SOLDERING HEAT	REFLOW RECOMMENDED TEMPERATURE PROFILE <p>25°C (60 S) 150°C 160°C (60~90 S) 240°C 5 S MAX 200°C (30 S) (20~30 S)</p>	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
	J. Matsukawa 99.06.07	J. Matsukawa 99.06.07	M.Ishida 99.06.07	Y.Yoshimura 99.06.08	

UNLESS OTERWISE SPECIFIED ,REFER TO JIS C 5402.

NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST O: APPLICABLE TEST

<b>HS</b> HIROSE ELECTRIC CO.,LTD.		<b>SPECIFICATION SHEET</b>		PART NO.	
CODE NO.(OLD)		DRAWING NO.		CODE NO.	
CL		ELC4 - 152439 -		CL 573 - 0548 - 0 -	

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