

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
1	DIS-F-002220(A)	H.S		07.7.29	1				
2	DIS-F-005261(B)	H.S	H.Y	11.1.24	1				

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).	70 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 FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE: 60 N MAX. WITHDRAWAL FORCE: 2.5 N MIN.	X -			
MECHANICAL OPERATION	50 TIMES INSERTION AND EXTRACTIONS.	1) CONTACT RESISTANCE: 80 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.	X -			
VIBRATION	FREQUENCY: 10 TO 55 Hz, SINGLE AMPLITUDE: 0.75 mm, $\rightarrow$ 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.	X -			
SHOCK	490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		X -			
ENVIRONMENTAL CHARACTERISTICS						
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.	X -			
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.	X -			
DRY HEAT	EXPOSED AT 85 °C, 96 h.	1) CONTACT RESISTANCE: 80 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: 80 mΩ MAX. 2) NO HEAVY CORROSION.	X -			
RESISTANCE TO SOLDERING HEAT	REFLOW : RECOMMENDED TEMPERATURE PROFILE TO BE TESTED UNDER THE ABOVE CONDITIONS.	NO MELTING OF RESIN WHICH AFFECTS THE PERFORMANCE OF COMPONENT.	X -			
SOLDRABILITY	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
		<i>J. Matsukawa</i>	<i>J. Matsukawa</i>	<i>M. Ishida</i>	<i>T. Yoshimura</i>	
UNLESS OTERWISE SPECIFIED, REFER TO JIS C 5402.		00.01.15	00.01.15	00.01.17	00.01.17	
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.		
CL		ELC4 - 152641 - 01		CL 573 - 0743 - 6 - 21		

DRAWING FOR REFERENCE: This is subject to change without notice

08/11/2012

TO
PCK