	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE		COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE

APPLICATION STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-55 ℃ TO +85 ℃	STORAGE TEMPERATURE RANGE	--- ℃ TO --- ℃
	VOLTAGE	200V AC	OPERATING HUMIDITY RANGE	--- % TO --- %
	CURRENT	2 A	APPLICABLE CABLE	———

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENT	QT	AT
CONSTRUCTION				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING	O	O
MARKING	CONFIRMED VISUALLY		O	O
ELECTRICAL CHARACTERISTICS				
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz)	30 mΩ MAX. ※	O	—
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD	mV MAX, mA (DC OR Hz)	mΩ MAX.	—	—
INSULATION RESISTANCE	500 V DC	1000 MΩ MIN.	O	—
VOLTAGE PROOF	650 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN	O	—
MECHANICAL CHARACTERISTICS				
CONTACT INSERTION AND EXTRACTION FORCES	BY STEEL GAUGE.	INSERTION FORCE: N MAX. EXTRACTION FORCE: N MIN.	—	—
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE: 7.84 N MAX. WITHDRAWAL FORCE 0.49 N MIN.	O	—
MECHANICAL OPERATION	100 TIMES INSERTION AND EXTRACTIONS.	1) CONTACT RESISTANCE: 40 mΩ MAX. ※ 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.	O	—
VIBRATION	FREQUENCY: 10 TO 55 Hz, AMPLITUDE: 1.52 mm, - m/s^2 AT 2 h FOR 3 DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF 1 μs 2) CONTACT RESISTANCE: – mΩ MAX. 3) NO DAMAGE, CRACK AND LOOSENESS OF PART.	O	—
SHOCK	490 m/s^2 DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		O	—
ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 ℃, 90~95 %, 96 h.	1) CONTACT RESISTANCE: 40 mΩ MAX. ※ 2)INSULATION RESISTANCE: 1000 MΩ MIN.	O	—
RAPID CHAGE OF TEMPERTURE	TEMPERTURE -55→+5~+35→+85→+5~+35 ℃ TIME 30 → 10~15 → 30 → 10~15 min. UNDER 5 CYCLES.	3) NO DAMAGE, CRACK AND LOOSENESS OF PART.	O	—
DAMP HEAT,CYCLIC	EXPOSED AT TO ℃, TO %,TOTAL CYCLES(h).	1) CONTACT RESISTANCE: mΩ MAX. 2)INSULATION RESISTANCE: MΩ MIN.(AT HIGH HUMIDITY) 3)INSULATION RESISTANCE: MΩ MIN.(AT DRY) 4) NO DAMAGE, CRACK AND LOOSENESS OF PART.	—	—
DRY HEAT	EXPOSED AT ℃, h.	1) CONTACT RESISTANCE: mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.	—	—
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	1) CONTACT RESISTANCE: 40 mΩ MAX. ※ 2) NO HEAVY CORROSION.	O	—
HYDROGEN SULPHIDE	EXPOSED IN 3 PPM FOR 120 h. (TEST STANDARD:JEIDA-38)		O	—
SULPHUR DIOXIDE	EXPOSED IN PPM FOR h. (TEST STANDARD:JEIDA-39)		—	—
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, ℃ FOR IMMERSION,DURATION, s.(MIL-STD-202)	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINAL.	—	—
SOLDRABILITY	SOLDERED AT SOLDER TEMPERATURE, ℃ FOR IMMERSION DURATION, s.(MIL-STD-202)	A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.	—	—

REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
CONTACT RESISTANCE WITH ※ MARK IS THE VALUE INCLUDING 2POINTS OF CONTACT. UNLESS OTHERWISE SPECIFIED, REFER TO MIL-STD-1344	T. Hirasawa 97.12.1	T. Hirasawa 97.12.1	H Obana 97.12.01	M. Yamaguchi 97.12.04	

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

HIROSE ELECTRIC CO.,LTD.	SPECIFICATION SHEET	PART NO. A3-SP(A)
CODE NO.(OLD) CL	DRAWING NO. ELC4- 020728	CODE NO. CL 621 - 0180 - 4

1/1

FORM NO. 231-1

TO PCM USA

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