



COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
APPLICATION STANDARD									
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO +85 °C			STORAGE TEMPERATURE RANGE		--- °C TO --- °C		
	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			○	○
MARKING		CONFIRMED VISUALLY						○	○
ELECTRICAL CHARACTERISTICS									
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz)			30 mΩ MAX.			※	○
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD		mV MAX, mA (DC OR Hz)			mΩ MAX.				—
INSULATION RESISTANCE		500 V DC			1000 MΩ MIN.			○	—
VOLTAGE PROOF		650 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN			○	—
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.			○	—
MECHANICAL OPERATION		100 TIMES INSERTION AND EXTRACTIONS.			1) CONTACT RESISTANCE: 40 mΩ MAX. ※ 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.			○	—
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.			○	—
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: 40 mΩ MAX. ※ 2) INSULATION RESISTANCE: 1000 MΩ MIN.			○	—
RAPID CHAGE OF TEMPERTURE		TEMPERTURE -55→+5→+35→+85→+5→+35 °C TIME 30 → 10~15 → 30 → 10~15 min. UNDER 5 CYCLES.			3) NO DAMAGE, CRACK AND LOOSENESS OF PART.			○	—
DAMP HEAT,CYCLIC		EXPOSED AT TO °C, 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 °C, 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.			○	—
HYDROGEN SULPHIDE		EXPOSED IN 3 PPM FOR 120 h. (TEST STANDARD:JEIDA-38)						○	—
SULPHUR DIOXIDE		EXPOSED IN PPM FOR h. (TEST STANDARD:JEIDA-39)						—	—
RESISTANCE TO SOLDERING HEAT		SOLDER TEMPERATURE, °C FOR IMMERSION,DURATION, s.(MIL-STD-202)			NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINAL.			—	—
SOLDRABILITY		SOLDERED AT SOLDER TEMPERATURE, °C 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.				T. Hirasawa	T. Hirasawa	H. Obari	M. Yamaguchi		
UNLESS OTHERWISE SPECIFIED, REFER TO MIL-STD-1344				97.12.1	97.12.1	97.12.01	97.12.04		
NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST O: APPLICABLE TEST									
HRS HIROSE ELECTRIC CO.,LTD.				SPECIFICATION SHEET			PART NO. A3-SP(A)		
CODE NO.(OLD)		DRAWING NO.		CODE NO.		1			
CL		ELC4- 020728		CL 621 - 0180 - 4		1			

FORM NO. 231-1

