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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	
<b>APPLICATION STANDARD</b>										
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	_____				
<b>SPECIFICATIONS</b>										
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)			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			○	-	
<b>MECHANICAL CHARACTERISTICS</b>										
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 <sup>2</sup> 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 <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: 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 °C %,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.				J. Hirasawa	J. Hirasawa	H. Okawa	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										
<b>HRS</b> HIROSE ELECTRIC CO.,LTD.				SPECIFICATION SHEET			PART NO. A3-SP(A)			
CODE NO.(OLD)		DRAWING NO.		CODE NO.		1		1		
CL		ELC4- 020728		CL 621 - 0180 - 4						

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