




APPLICABLE STANDARD						
RATING	OPERATING TEMPERATURE RANGE	— % TO — %	STORAGE TEMPERATURE RANGE	— % TO — %		
	VOLTAGE	300V AC, 420V DC	OPERATING HUMIDITY RANGE	— % TO — %		
	CURRENT	3 A	APPLICABLE CABLE	—		
SPECIFICATIONS						
ITEM		TEST METHOD		REQUIREMENTS	QT	AT
CONSTRUCTION						
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	X	X
MARKING		CONFIRMED VISUALLY.			X	X
ELECTRIC CHARACTERISTICS						
CONTACT RESISTANCE		1 A MAX (DC OR 1000 Hz).		7 mΩ MAX.	X	X
INSULATION RESISTANCE		500 V DC.		1000 MΩ MIN.	X	X
VOLTAGE PROOF		1000 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	X	X
MECHANICAL CHARACTERISTICS						
CONTACT INSERTION AND EXTRACTION FORCES		MAX φ 1.041mm BY STEEL GAUGE		INSERTION OR EXTRACTION FORCE 3.33 N MAX	X	—
		MIN φ 0.991mm BY STEEL GAUGE		INSERTION OR EXTRACTION FORCE 0.28 N MIN		
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR		INSERTION FORCE 53.9N MAX	X	—
MECHANICAL OPERATION		1000 TIMES INSERTIONS AND EXTRACTIONS.		1) CONTACT RESISTANCE: 10 mΩMAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
VIBRATION		FREQUENCY 10 TO 2000 Hz, SINGLE AMPLITUDE 0.75 mm, 98 m/s ² AT 4 h, FOR 3 DIRECTIONS.		NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
SHOCK		490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 6 DIRECTIONS.			X	—
ENVIRONMENTAL CHARACTERISTICS						
DAMP HEAT,CYCLIC (STEADY STATE)		EXPOSED AT 25~65℃ 90~98 % 240h		1) INSULATION RESISTANCE: 1 MΩ MIN. (AT HIGH HUMIDITY) 1000 MΩ MIN. (AT DRY) 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -65 → 5~35 → 125 → 5~35 °C TIME 30 → 2~3 → 30 → 2~3 min UNDER 5 CYCLES		NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		NO HEAVY CORROSION.	X	—
	COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE
						
REMARK				APPROVED	HO. MIWA	07.02.07
				CHECKED	HO. MIWA	07.02.07
				DESIGNED	SJ. SHIMIZU	07.02.06
				DRAWN	SJ. SHIMIZU	07.02.06
Unless otherwise specified, refer to JIS C 5402.						
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC4-005621-01
	SPECIFICATION SHEET			PART NO.	S-1620A (09)	
	HIROSE ELECTRIC CO., LTD.			CODE NO.	CL216-0004-3-09	 1/1