

APPLICABLE STANDARD						
RATING	OPERATING TEMPERATURE RANGE	-25 °C TO 60 °C		STORAGE TEMPERATURE RANGE	-25 °C TO 60 °C	
	VOLTAGE	125 V AC		CURRENT	500 mA	
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	100 mA (DC OR 1000 Hz AC). MEASUREMENT POINTS SHALL BE AS FOLLOWS. (ONE EXAMPLE CONNECTOR CONFIGURATION IS SHOWN.)			230 mΩ MAX.	x	x
INSULATION RESISTANCE	100 V DC.			100 MΩ MIN.	x	x
VOLTAGE PROOF	500 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.	x	x
MECHANICAL CHARACTERISTICS						
MECHANICAL OPERATION	200 TIMES INSERTIONS AND EXTRACTIONS.			1) CONTACT RESISTANCE: 250 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	—
VIBRATION	FREQUENCY 10 TO 55 Hz SINGLE AMPLITUDE 0.75 mm, - m/s ² AT 2 h, FOR 3 DIRECTION.			1) NO ELECTRICAL DISCONTINUITY OF 5μs. 2) CONTACT RESISTANCE: 250 mΩ MAX.	x	—
SHOCK	490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.			3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	—
ENVIRONMENTAL CHARACTERISTICS						
DAMP HEAT,CYCLIC	EXPOSED AT 40 °C, 90 TO 95 %, 500 h.			1) CONTACT RESISTANCE: 250 mΩ MAX. 2) INSULATION RESISTANCE: 1 MΩ MIN. (AT HIGH HUMIDITY) 10 MΩ MIN. (AT DRY) 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → 5 TO 35 → 85 → 5 TO 35 °C TIME 30 → 10 TO 15 → 30 → 10 TO 15 min UNDER 5 CYCLES.			1) CONTACT RESISTANCE: 250 mΩ MAX. 2) INSULATION RESISTANCE: 100 MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	—
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.			1) CONTACT RESISTANCE: 250 mΩ MAX. 2) NO HEAVY CORROSION.	x	—
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
	2	DIS-E-00002925	KIM JAEHYEON	TU. TANIGUCHI	20200326	
REMARK				APPROVED	YH. ENAMI	20080611
				CHECKED	HO. MIWA	20080611
				DESIGNED	KI. NAGANUMA	20080610
				DRAWN	KI. NAGANUMA	20080610
Unless otherwise specified, refer to IEC 60512.						
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-120682-02	
	SPECIFICATION SHEET		PART NO.	TM11APA1-88P		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL222-2783-4-00		1/1