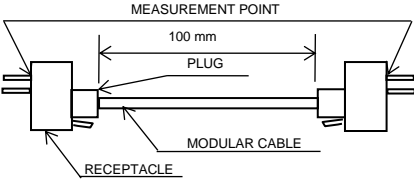


APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	① $-55^{\circ}\text{C}$ TO $+85^{\circ}\text{C}$ $\triangle$		STORAGE TEMPERATURE RANGE	$-25^{\circ}\text{C}$ TO $+60^{\circ}\text{C}$
	VOLTAGE	AC 125 V		OPERATING HUMIDITY RANGE	95 % max
	CURRENT	0.5 A		APPLICABLE CABLE	—
SPECIFICATIONS					
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	100 mA MAX (DC OR 1000 Hz AC).  (ONE EXAMPLE CONNECTOR CONFIGURATION IS SHOWN.)			200 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: 220 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X —
VIBRATION	FREQUENCY 10 TO 55 Hz SINGLE AMPLITUDE 0.75 mm AT 5 min. / CYCLE, 10 CYCLES			1) NO ELECTRICAL DISCONTINUITY OF 5μs. 2) CONTACT RESISTANCE: 220 mΩ MAX. 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X —
SHOCK	490 m/s <sup>2</sup> DURATION OF PULSE 11 ms AT 3 TIMES IN 3 BOTH AXIAL DIRECTIONS.				X —
ENVIRONMENTAL CHARACTERISTICS					
DAMP HEAT (STEADY STATE)	EXPOSED AT $+40^{\circ}\text{C}$ , 90~95 %, 500 h			1) CONTACT RESISTANCE: 220 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 $-55\pm 3 \rightarrow 5 \sim 35 \rightarrow 85\pm 2 \rightarrow 5 \sim 35^{\circ}\text{C}$ TIME 30 to 35 → 5MAX → 30 to 35 → 5MAX min. UNDER 5 CYCLES.			1) CONTACT RESISTANCE: 220 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: 220 mΩ MAX. 2) NO HEAVY CORROSION.	X —
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, $260 \pm 5^{\circ}\text{C}$ FOR IMMERSION, DURATION $10 \pm 1$ s.			NO DEFORMATION OF CASE AND EXCESSIVE LOOSENESS OF THE TERMINALS.	X —
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, $245 \pm 2^{\circ}\text{C}$ FOR IMMERSION, DURATION $3 \pm 1$ s.			95 %MIN. OF SOLDER IMMersed AREA SHALL BE COVERED NEW SOLDER COATING.	X —
RESISTANCE TO SOLDERING IRON HEAT	SOLDERING IRON TEMPERATURE, $350 \pm 10^{\circ}\text{C}$ , DURATION 5 s max.			NO DEFORMATION OF CASE AND EXCESSIVE LOOSENESS OF THE TERMINALS.	X —
COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE
①	DIS-E-00002730		TS. ITO	TU. TANIGUCHI	20191202
REMARK			APPROVED	R.I. TAKAYASU	20180611
① THE PRODUCT PERFORMANCE IS GUARANTEED ONLY IN THE TEMPERATURE ADEQUATE PEOPLE'S ACTIVITIES.			CHECKED	AH. KODAMA	20180611
② INCLUDE TEMPERATURE RISE CAUSED BY CURRENT-CARRYING.			DESIGNED	TS. ITO	20180611
Unless otherwise specified, refer to IEC 60512.			DRAWN	TS. ITO	20180611
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-025816-50-00
HS		SPECIFICATION SHEET		PART NO.	TM3RA1-62 (50)
		HIROSE ELECTRIC CO., LTD.		CODE NO.	CL222-1375-2-50 $\triangle$ 1/1