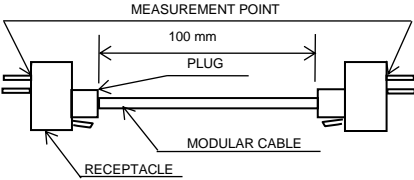


APPLICABLE STANDARD						
RATING	OPERATING TEMPERATURE RANGE	① -55°C TO $+85^{\circ}\text{C}$ \triangle		STORAGE TEMPERATURE RANGE	-25°C TO $+60^{\circ}\text{C}$	
	VOLTAGE	AC 125 V		OPERATING HUMIDITY RANGE	95 % max	
	CURRENT	0.5 A		APPLICABLE CABLE	—	
SPECIFICATIONS						
ITEM		TEST METHOD		REQUIREMENTS	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 ² 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 \rightarrow 5MAX \rightarrow 30 to 35 \rightarrow 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 ± 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 ± 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	
\triangle	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		