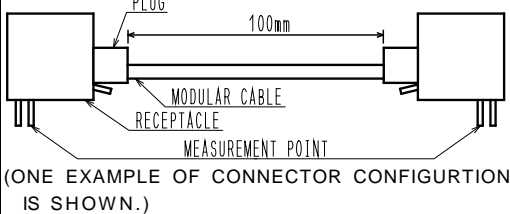


APPLICABLE STANDARD						
RATING	OPERATING TEMPERATURE RANGE	1 -55 °C TO 85 °C 1		STORAGE TEMPERATURE RANGE	2 -25 °C TO 60 °C	
	VOLTAGE	125 V AC		CURRENT	500m A	
SPECIFICATIONS						
ITEM		TEST METHOD		REQUIREMENTS		QT AT
CONSTRUCTION						
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.	X X
MARKING		CONFIRMED VISUALLY.				X X
ELECTRIC CHARACTERISTICS						
CONTACT RESISTANCE		100 mA MAX (DC OR 1000 Hz).  (ONE EXAMPLE OF 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, HALF AMPLITUDE 0.75 mm, AT 2 h FOR 3 DIRECTIONS.			1)NO ELECTRICAL DISCONTINUITY OF 5 μs. 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 (STEADY STATE)		EXPOSED AT +40 °C, 90 ~ 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±3 → 5 TO 35 → 85±2 → 5 TO 35 °C TIME 30 to 35 → 5 MAX → 30 to 35 → 5 MAX 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 —
RESISTANCE TO SOLDERING HEAT		SOLDER TEMPERATURE, 260 ± 5 °C FOR IMMERSION, DURATION 10±1 s. (FLOW)			NO DEFORMATION OF CASE AND EXCESSIVE LOOSENESS OF THE TERMINALS.	X —
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, 245±2 °C FOR IMMERSION, DURATION 3±1 s. (FLOW)			MIN. 95 % OF SOLDER IMMERSED AREA SHALL BE COVERED NEW SOLDER COATING.	X —
1 THE OPERATION TEMPERATURE INCLUDES THE RISE BY CURRENT CARRYING. 2 STORAGE TEMPERATURE RANGE SHOWS STORAGE CONDITION FOR UNUSED PRODUCTS INCLUDING PACKING MATERIALS. FOLLOW THE OPERATING TEMPERATURE RANGE FOR STORAGE CONDITION AFTER MOUNTING.						
	COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE
Δ	2	DIS-E-00002730		TS. ITO	TU. TANIGUCHI	20191202
REMARK				APPROVED	NM. NISHIMATSU	20150918
				CHECKED	NM. NISHIMATSU	20150918
				DESIGNED	TS. ITO	20150918
				DRAWN	TS. ITO	20150918
Unless otherwise specified, refer to IEC 60512. 1						
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC-025823-50-01
HRS		SPECIFICATION SHEET		PART NO.	TM11R-5C-88 (50)	
		HIROSE ELECTRIC CO., LTD.		CODE NO.	CL222-1378-0-50	Δ 1/1