

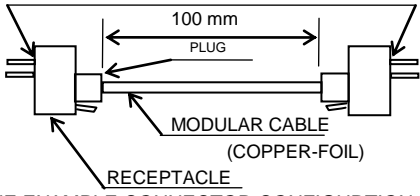





APPLICABLE STANDARD						
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C 		STORAGE TEMPERATURE RANGE	-25 °C TO 60 °C 	
	VOLTAGE	125 V AC		CURRENT	500 mA	
SPECIFICATIONS						
ITEM	TEST METHOD			REQUIREMENTS	QT	AT
CONSTRUCTION						
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING 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 DIRECTIONS.			1) NO ELECTRICAL DISCONTINUITY OF 5μs. 2) CONTACT RESISTANCE: 250 mΩ MAX. 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
SHOCK	490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.				X	—
ENVIRONMENTAL CHARACTERISTICS						
DAMP HEAT (STEADY STATE)	EXPOSED AT +40 °C, 90 TO 95 %, 500 h.			1) CONTACT RESISTANCE: 250 mΩ MAX. 2) INSULATION RESISTANCE: 1 MΩ MIN. (AT HIGH HUMIDITY) 3) INSULATION RESISTANCE: 10 MΩ MIN. (AT DRY) 4) 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 → 5MAX → 30 TO 35 → 5MAX 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 DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
	2	DIS-E-00002217	TS. IT0	TU. TANIGUCHI	20190425	
REMARK				APPROVED	HO. MIWA	20060802
				CHECKED	SJ. SHIMIZU	20060802
				DESIGNED	TS. IT0	20060801
				DRAWN	TS. IT0	20060801
Unless otherwise specified, refer to JIS C 5402.						
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-121627-03	
	SPECIFICATION SHEET		PART NO.	TM18R-88 (50)		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL222-2867-2-50		1/1