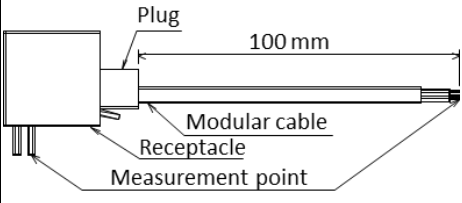


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APPLICABLE STANDARD		Note.1 TIA/EIA-568-A CAT5			
Rating	Operating Temperature Range	Note.2 -55 °C to +85 °C	Storage Temperature Range	Note.3 -25 °C to +60 °C	
	Voltage	125 V AC	Operating Humidity Range	95 % MAX	
	Current	1 A	Applicable Cable	—	
SPECIFICATIONS					
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).		50 mΩ MAX.	X	X
	 <p>(An example connector configuration is shown.)</p>				
Insulation Resistance	100 V DC.		100 MΩ MIN.	X	X
Voltage Proof (Contact to Contact)	500 V AC for 1 min.		No flashover or breakdown.	X	X
Voltage Proof (Contact to Shield)	1500 V AC for 1 min.		No flashover or breakdown.	X	—
Near End Crosstalk (NEXT) Loss	Measured NEXT LOSS for 1,2-3,6 pair combination at 100 MHz.		40 dB MIN.	X	—
MECHANICAL CHARACTERISTICS					
Mechanical Operation	200 times insertions and extractions.		1) Contact resistance: 70 mΩ MAX. 2) No damage, crack and looseness of parts.	X	—
Vibration	Frequency 10 to 55 Hz, single amplitude 0.75 mm, 1 octave / min, 3 axial directions, 10 cycles each.		1) No electrical discontinuity of 5 μs. 2) No damage, crack and looseness of parts.	X	—
Shock	490 m/s ² duration of pulse 11 ms at 3 times for 3 axial directions.			X	—
ENVIRONMENTAL CHARACTERISTICS					
Damp Heat, Cyclic	Exposed at +40 °C, 93±3 % , 500 h		1) Contact resistance: 70 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 → 85 °C Time 30 → 30 min Under 5 cycles. Chamber transfer time is 2 to 3 min.		1) Contact resistance: 70 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.		Contact resistance: 70 mΩ MAX.	X	—
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
	△				
REMARK			APPROVED	MN. KENJO	20200407
			CHECKED	TU. TANIGUCHI	20200407
			DESIGNED	KIM JAEHYEON	20200407
			DRAWN	DS. HIROWATARI	20200407
Unless otherwise specified, refer to IEC 60512.					
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC-128617-70-00	
HRS	SPECIFICATION SHEET		PART NO.	TM11R-5M2-88-DIR (70)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL222-2984-6-70	△ 1/2

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SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
Resistance to Soldering Heat	A profile is shown in fig-1, under 2 cycles.	No deformation of case and excessive looseness of the terminals.	X	—
Solderability	Soldered at solder temperature, 245 ± 2 °C for immersion, duration 3 ± 1 sec.	Min. 95 % of solder immersed area shall be covered new solder coating.	X	—

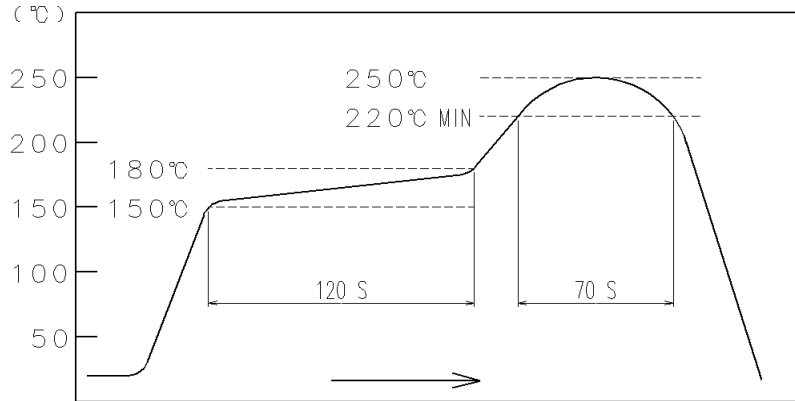


Fig-1 Resistance to Soldering Heat (Reflow Profile)
(Temperature at top surface of connector)

Note.1 Applicable plug connector:TM21P-88P.

Note.2 The operation temperature includes the rise by current carrying.

Note.3 Storage temperature range shows storage condition for unused products including packing materials.
Follow the operating temperature range for storage condition after mounting.

Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO. ELC-128617-70-00	
HRS	SPECIFICATION SHEET	PART NO.	TM11R-5M2-88-DIR (70)
	HIROSE ELECTRIC CO., LTD.	CODE NO	CL222-2984-6-70 △ 2/2