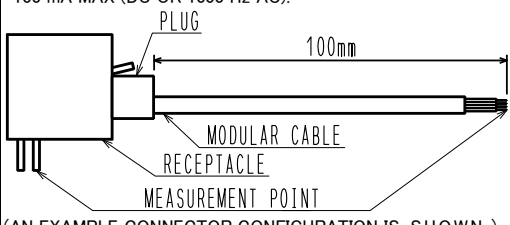


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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

APPLICABLE STANDARD		① TIA/EIA-568-A CAT5			
RATING	OPERATING TEMPERATURE RANGE	② -55 °C TO 85 °C [△]	STORAGE TEMPERATURE RANGE	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).  (AN EXAMPLE CONNECTOR CONFIGURATION IS SHOWN.)		50 mΩ MAX.	X	X
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 MINIMUM NEXT LOSS FOR EACH PAIR COMBINATION (1,2-3,6) 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 6 DIRECTIONS.			X	-
ENVIRONMENTAL CHARACTERISTICS					
DAMP HEAT,CYCLIC	EXPOSED AT 40 °C, 90 TO 95 % , 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±3 → 15 TO 35 → 85±2 → 15 TO 35 °C TIME 30 → 2 TO 3 → 30 → 2 TO 3 min UNDER 5 CYCLES.		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.		1)CONTACT RESISTANCE : 70 mΩ MAX. 2)NO HEAVY CORROSION.	X	-
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, 260 ± 5 °C FOR IMMERSION, DURATION 5 ± 1 S.		NO DEFORMATION OF CASE AND EXCESSIVE LOOSENESS OF THE TERMINALS.	X	-
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 245 ± 5 °C FOR IMMERSION, DURATION MAX 3 S.		MIN. 95 % OF SOLDER IMMERSED AREA SHALL BE COVERED NEW SOLDER COATING.	X	-
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
[△]	2	DIS-E-00002932	KIM JAEHYEON	TU.TANIGUCHI	20200403
REMARK	① APPLICABLE PLUG CONNECTOR:TM21P-88P.			APPROVED	EJ.WAKATSUKI 20131028
	② THE OPERATION TEMPERATURE INCLUDES THE TEMPERATURE RISE BY CURRENT CARRYING. STORAGE TEMPERATURE RANGE SHOWS STORAGE CONDITION FOR UNUSED PRODUCTS INCLUDING PACKING MATERIALS.			CHECKED	EJ.WAKATSUKI 20131028
	③ FOLLOW THE OPERATING TEMPERATURE RANGE FOR STORAGE CONDITION AFTER MOUNTING.			DESIGNED	MT.ITANO 20131025
	Unless otherwise specified, refer to IEC 60512. [△]			DRAWN	MT.ITANO 20131025
Note	QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.	ELC-123343-01-03	
HRS	SPECIFICATION SHEET		PART NO.	TM11R-5M2-88(01)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL222-2906-2-01	[△] 1/1