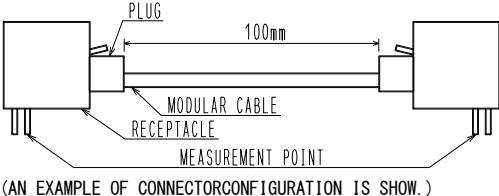


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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

APPLICABLE STANDARD		EIA / TIA TSB 40 CAT5			
RATING	OPERATING TEMPERATURE RANGE	① -55 °C TO +85 °C <sup>△</sup>	STORAGE TEMPERATURE RANGE	② -25 °C TO +60 °C	
	VOLTAGE	125 V AC	OPERATING HUMIDITY RANGE	95 % MAX	
	CURRENT	0.5 A	APPLICABLE CABLE	—	
SPECIFICATIONS					
ITEM	TEST METHOD		REQUIREMENTS	QT	AT
<b>CONSTRUCTION</b>					
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	X	X
MARKING	CONFIRMED VISUALLY.			X	X
<b>ELECTRIC CHARACTERISTICS</b>					
CONTACT RESISTANCE	100 mA MAX (DC OR 1000 Hz AC).  (AN EXAMPLE OF CONNECTOR CONFIGURATION IS SHOW.)		230 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
NEAR END CROSSTALK (NEXT) LOSS	MEASURED MINIMUM NEXT LOSS FOR EACH PAIR COMBINATION AT 100 MHz.		40 dB MIN.	X	—
<b>MECHANICAL CHARACTERISTICS</b>					
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, 5 min/CYCLE AT 10 CYCLES.		1) NO ELECTRICAL DISCONTINUITY OF 5 μs. 2) CONTACT RESISTANCE: 250 mΩ MAX. 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
SHOCK	490 m/s <sup>2</sup> DURATION OF PULSE 11 ms AT 3 TIMES FOR 6 DIRECTIONS.			X	—
<b>ENVIRONMENTAL CHARACTERISTICS</b>					
DAMP HEAT, CYCLIC	EXPOSED AT +40 °C, 90 TO 95 °C , 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 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 3 S MAX.		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 THE OPERATION TEMPERATURE INCLUDES THE RYSE 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. Unless otherwise specified, refer to IEC 60512. △		APPROVED	RI. TAKAYASU	20110531
			CHECKED	YH. ENAMI	20110531
			DESIGNED	MT. ITANO	20110531
			DRAWN	MT. ITANO	20110531
Note	QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.	ELC-121543-50-01	
<b>HRS</b>	SPECIFICATION SHEET		PART NO.	TM11R-5N2-88 (50)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL222-3952-5-50	△ 1/1