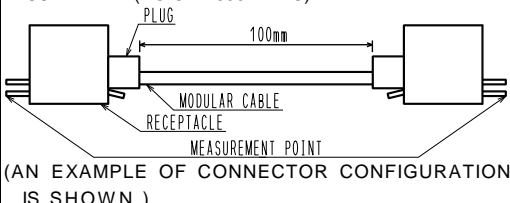


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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	$\triangle 1$ $-55\text{ }^{\circ}\text{C TO } +85\text{ }^{\circ}\text{C}$ $\triangle 2$	STORAGE TEMPERATURE RANGE	$-25\text{ }^{\circ}\text{C TO } +60\text{ }^{\circ}\text{C}$	
	VOLTAGE	125 V AC	OPERATING HUMIDITY RANGE	95 % MAX	
	CURRENT	500 mA	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 OF CONNECTOR CONFIGURATION IS SHOWN.)	200 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: 220 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—	
VIBRATION	FREQUENCY 10 TO 55 Hz SINGLE AMPLITUDE 0.75 mm, AT 10 CYCLES.	① NO ELECTRICAL DISCONTINUITY OF 5 μs. ② CONTACT RESISTANCE: 220 mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—	
SHOCK	490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		X	—	
ENVIRONMENTAL CHARACTERISTICS					
DAMP HEAT, CYCLIC	EXPOSED AT +40 °C, 90 TO 95 %, 500 h	① CONTACT RESISTANCE: 220 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 TIME 30 → 5 MAX → 30 → 5 MAX MIN UNDER 5 CYCLES.	① CONTACT RESISTANCE: 220 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: 220 mΩ MAX. ② NO HEAVY CORROSION.	X	—	
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, 260 ± 5 °C FOR IMMERSION, DURATION 10 ± 1 S.	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.	MIN. 95 % OF SOLDER IMMERSED AREA SHALL BE COVERED NEW SOLDER COATING.	X	—	
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
$\triangle 1$	2	DIS-E-00002716	TS. ITO	TU. TANIGUCHI	20191127
REMARK			APPROVED	HO. MIWA	20050105
$\triangle 1$ ① THE PRODUCT PERFORMANCE IS GUARANTEED ONLY IN THE TEMPERATURE ADEQUATE TO PEOPLE'S ACTIVITIES.			CHECKED	TH. KAMEYA	20050105
② THE OPERATION TEMPERATURE INCLUDES THE RISE BY CURRENT CARRYING			DESIGNED	SS. SATOH	20050105
Unless otherwise specified, refer to IEC 60512. $\triangle 2$			DRAWN	SS. SATOH	20050105
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC-022457-50-01	
HRS	SPECIFICATION SHEET		PART NO.	TM3RA-66 (50)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL222-0770-1-50	$\triangle 1$ 1/1