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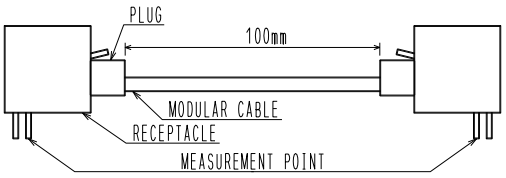
In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	NOTE1 -55 °C TO +85 °C	STORAGE TEMPERATURE RANGE	NOTE2 -25 °C TO +60 °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 2 HOURS FOR 3 DIRECTIONS.	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 (STEADY STATE)	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 °C TIME 30 TO 35 → 5 MAX → 30 TO 35 → 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	—

NOTE1 THE OPERATION TEMPERATURE INCLUDES THE RYSE BY CURRENT CARRYING.
NOTE2 STORAGE TEMPERATURE RANGE SHOWS STORAGE CONDITION FOR UNUSED PRODUCTS INCLUDING PACKING MATERIALS. FOLLOW THE OPERATING TEMPERATURE RANGE FOR STORAGE CONDITION AFTER MOUNTING.

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
⚠0					

REMARK

Unless otherwise specified, refer to IEC 60512.

APPROVED	MN. KENJO	20211126
CHECKED	KG. OKITA	20211125
DESIGNED	MO. SHIMOYAMA	20211125
DRAWN	NK. OOSHIMA	20211124

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

DRAWING NO. ELC-025715-60-00

HRS	SPECIFICATION SHEET	PART NO.	TM5RJ3-44(60)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL0222-1363-3-60 ⚠0	1/1

FORM HD0011-2-1