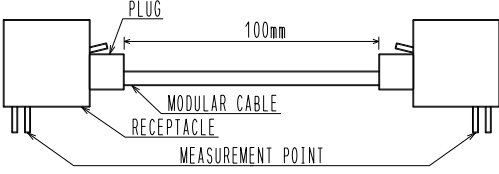



| APPLICABLE STANDARD | | | | | |
|---|-----------------------------|--|--|------------------------|----------|
| RATING | OPERATING TEMPERATURE RANGE | NOTE1 -55 °C TO +85 °C | STORAGE TEMPERATURE RANGE | NOTE2 -25 °C TO +60 °C | |
| | VOLTAGE | 125 V AC | OPERATING HUMIDITY RANGE | 95 % MAX | |
| | 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 |
| △ | | | | | |
| REMARK | | | APPROVED | MN. KENJO | 20211126 |
| | | | CHECKED | KG. OKITA | 20211125 |
| | | | DESIGNED | MO. SHIMOYAMA | 20211125 |
| | | | DRAWN | NK. OOSHIMA | 20211124 |
| Unless otherwise specified, refer to IEC 60512. | | | | | |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test | | | DRAWING NO. | ELC-022568-60-00 | |
|  | SPECIFICATION SHEET | | PART NO. | TM2REA-2408 (60) | |
| | HIROSE ELECTRIC CO., LTD. | | CODE NO. | CL0222-0800-0-60 | △ 1/1 |