APPLICABLE STANDARD

<table>
<thead>
<tr>
<th>RATING</th>
<th>OPERATING TEMPERATURE RANGE</th>
<th>STORAGE TEMPERATURE RANGE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>-55°C TO 85°C</td>
<td>-25°C TO 60°C</td>
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<tr>
<td>VOLTAGE</td>
<td>AC 125 V</td>
<td></td>
</tr>
<tr>
<td>CURRENT</td>
<td>1 A</td>
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</table>

SPECIFICATIONS

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). 230 mΩ MAX. 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 AT 100 Hz. 43 dB MIN. X –

MECHANICAL CHARACTERISTICS

MECHANICAL OPERATION 200 TIMES INSERTIONS AND EXTRCTIONS. 1) CONTACT RESISTANCE: 250 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS. X –
VIBRATION FREQUENCY 10 TO 55 Hz, HALF AMPLITUDE 0.75 mm, FOR 10 CYCLES IN 3 DIRECTIONS. 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/s² DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS. 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 –

ENVIRONMENTAL CHARACTERISTICS

DAMP HEAT (STEADY STATE) EXPOSED AT +40°C, 90 TO 95 %, 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°C → 5 TO 35°C → 85°C2 → 5 TO 35°C TIME 30 → 5 MAX → 30 → 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 PART. 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 ± 3°C FOR IMMERSION, DURATION 5 TO 6 S. (FLOW) NO DEFORMATION OF CASE AND EXCESSIVE LOOSENESS OF THE TERMINALS. X –
SOLDERABILITY SOLDERED AT SOLDER TEMPERATURE, 245°C FOR IMMERSION, DURATION 3 S. (FLOW) MIN. 95 % OF SOLDER IMMERSED AREA SHALL BE COVERED NEW SOLDER COATING. X –

1 APPLICABLE PLUG CONNECTOR: TM21P-88P.
2 THE OPERATION TEMPERATURE INCLUDES THE RISE BY CURRENT CARRYING.

<table>
<thead>
<tr>
<th>COUNT</th>
<th>DESCRIPTION OF REVISIONS</th>
<th>DESIGNED</th>
<th>CHECKED</th>
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<tr>
<td>1</td>
<td>DIS-E-00002148</td>
<td>SH. KOYAMA</td>
<td>TU. TANIGUCHI</td>
<td>20190305</td>
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REMARK

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 JIS C 5402.

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

DRAWING NO. ELC4-122761-02

SPECIFICATION SHEET

HIROSE ELECTRIC CO., LTD.

APPROVED
HO. MIWA 20060223
CHECKED
HO. MIWA 20060223
DESIGNED
TR. WATANABE 20060222
DRAWN
TR. WATANABE 20060222

APPLICABLE PLUG CONNeCTOR: TM21P-88P.