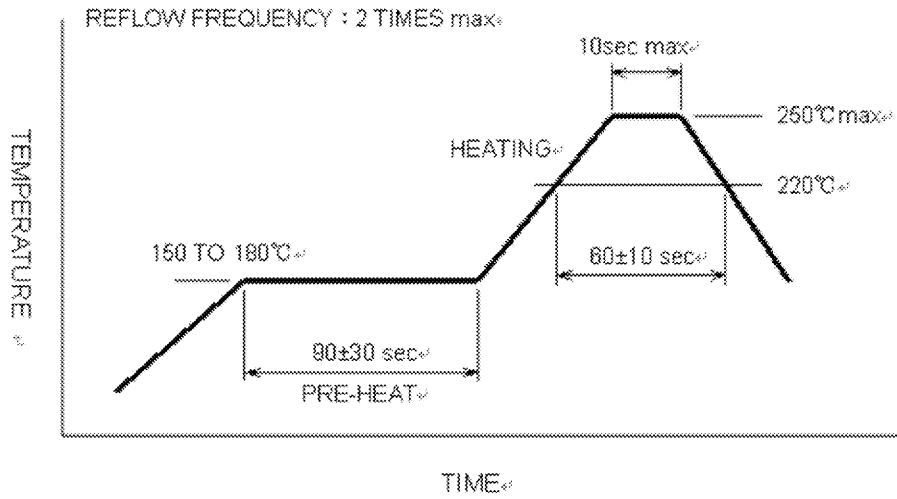


| APPLICABLE STANDARD | | | | | |
|--|--|--|--|-----------------|----------|
| RATING | OPERATING TEMPERATURE RANGE | -40°C TO 85°C | STORAGE TEMPERATURE RANGE | -40°C TO 60°C | |
| | VOLTAGE | 125 V AC | OPERATING HUMIDITY RANGE | 5 %RH TO 95 %RH | |
| | CURRENT | No.2 TO No.17 : 0.5 A No.1 AND No. 18 : 1.5 A | | | |
| 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 (DC OR 1000 Hz). | | 70 mΩ MAX. | X | — |
| INSULATION RESISTANCE | 250 V DC. | | 1000 MΩ MIN. | X | — |
| VOLTAGE PROOF | 350 V AC FOR 1 min. | | NO FLASHOVER OR BREAKDOWN. | X | X |
| MECHANICAL CHARACTERISTICS | | | | | |
| INSERTION AND WITHDRAWAL FORCES | MEASURED BY APPLICABLE CONNECTOR. | | 25 N MAX. | X | — |
| MECHANICAL OPERATION | 20,000 TIMES INSERTIONS AND EXTRACTIONS. | | 1) AMOUNT OF CHANGE OF CONTACT RESISTANCE : 20mΩ MAX 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | X | — |
| VIBRATION | FREQUENCY 10 TO 55 Hz SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS. | | 1) NO ELECTRICAL DISCONTINUITY OF 10μs. 2) AMOUNT OF CHANGE OF CONTACT RESISTANCE : 20mΩ MAX 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | X | — |
| SHOCK | 490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS. | | | X | — |
| ENVIRONMENTAL CHARACTERISTICS | | | | | |
| DAMP HEAT (STEADY STATE) | EXPOSED AT 60°C , 90~95%, 96h | | 1) AMOUNT OF CHANGE OF CONTACT RESISTANCE : 20mΩ MAX 2) INSULATION RESISTANCE: 1000 MΩ MIN. (AT DRY) 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | X | — |
| RAPID CHANGE OF TEMPERATURE | TEMPERATURE -55 → 5-35 → +85 → 5-35 °C TIME 30 → 2~3 → 30 → 2~3 min. UNDER 5 CYCLES. | | | | |
| CORROSION SALT MIST | EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h. | | NO HEAVY CORROSION. | X | — |
| MIXED GAS CORROSION | EXPOSED IN SO ₂ 10 ppm , H ₂ S 3ppm 70 TO 80% R.H. FOR 96 h | | | | |
| RESISTANCE TO SOLDERING HEAT (REFLOW) | REFROUW TWICE UNDER THERECOMMENDED REFLOW TEMPERATURE PROFILE IN FIG-1 | | NO SIGNIFICANT DEFOMATION OR LOSSENESS OF CONTACTS. | X | — |
| RESISTANCE TO SOLDERING. SOLDER IRON METHOD | TEMPERATURE OF SOLDERING IRON : 390°C MAX, 3 sec MAX | | NO DAMAGE, CRACK AND LOOSENESS, OF PARTS. | X | — |
| RECOMMENDED REFLOW PROFILE IN FIG-1 | | | | | |
| | COUNT | DESCRIPTION OF REVISIONS | DESIGNED | CHECKED | DATE |
| | | | | | |
| REMARK | | | APPROVED | NF. MIYAZAKI | 10.03.25 |
| | | | CHECKED | TA. ASO | 10.03.25 |
| | | | DESIGNED | KO. KAWAMURA | 10.03.25 |
| Unless otherwise specified, refer to JIS C 5402. | | | DRAWN | KO. KAWAMURA | 10.03.25 |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test | | | DRAWING NO. | ELC4-127060-00 | |
| | SPECIFICATION SHEET | | PART NO. | 3880-B-18P | |
| | HIROSE ELECTRIC CO., LTD. | | CODE NO. | CL238-2008-2-00 | 1/2 |

ATTACHMENT FIGURE

FIG-1



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

DRAWING NO.

ELC4-127060-00



SPECIFICATION SHEET

PART NO.

3880-B-18P

HIROSE ELECTRIC CO., LTD.

CODE NO

CL238-2008-2-00



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