

| APPLICABLE STANDARD | | | | | |
|--|-----------------------------|---|---|-----------------|----------------|
| RATING | OPERATING TEMPERATURE RANGE | -55 °C TO 85 °C | STORAGE TEMPERATURE RANGE | -55°C TO 85 °C | |
| | VOLTAGE | 350 V AC , 490 V DC | OPERATING HUMIDITY RANGE | 95% MAX | |
| | CURRENT | 3 A | APPLICABLE CABLE | — | |
| | | | | | |
| 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). | 15 mΩ MAX. | X | X |
| CONTACT RESISTANCE MILLIVOLT LEVEL METHOD | | 20 mV MAX 1 mA (DC OR 1000Hz). | | X | — |
| INSULATION RESISTANCE | | 500 V DC. | 5000 MΩ MIN. | X | X |
| VOLTAGE PROOF | | 1250 V AC FOR 1 min. | NO FLASHOVER OR BREAKDOWN. | X | X |
| MECHANICAL CHARACTERISTICS | | | | | |
| INSERTION AND WITHDRAWAL FORCES | | MEASURED BY APPLICABLE CONNECTOR. | INSERTION FORCE : 83.3 N MAX. EXTRACTION FORCE : 55.8 N MAX. | X | — |
| MECHANICAL OPERATION | | 500 TIMES INSERTIONS AND EXTRACTIONS. | 1) CONTAC RESISTANCE : 15 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | X | — |
| VIBRATION | | FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2h, FOR 3 DIRECTIONS. | NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | X | — |
| SHOCK | | 490 m/s ² DIRECTION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS. | | X | — |
| ENVIRONMENTAL CHARACTERISTICS | | | | | |
| RAPID CHANGE OF TEMPERATURE | | TEMPERATURE - 55 → 5 TO 35 → 85 → 5 TO 35 °C TIME 30 → 2 TO 3 → 30 → 2 TO 3 min UNDER 5 CYCLES. | NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | X | — |
| DAMP HEAT (STEADY STATE) | | EXPOSED AT 40 °C, 90 TO 95 %, 96h. | 1) INSULATION RESISTANCE : 10 MΩ MIN. (AT HIGH HUMIDITY.) 1000 MΩ MIN. (AT DRY.) 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | X | — |
| CORROSION SALT MIST | | EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h. | 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 COVERD NEW SOLDER COATING. | X | — |
| | | | | | |
| | COUNT | DESCRIPTION OF REVISIONS | DESIGNED | CHECKED | DATE |
| △ | 0 | | | | |
| REMARK | | | APPROVED | RI. TAKAYASU | 12. 12. 18 |
| | | | CHECKED | EJ. WAKATSUKI | 12. 12. 18 |
| | | | DESIGNED | TS. IT0 | 12. 12. 18 |
| | | | DRAWN | TY. IT0 | 12. 12. 15 |
| Unless otherwise specified, refer to JIS C 5402. | | | | | |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test | | | DRAWING NO. | | ELC4-009838-02 |
| HRS | SPECIFICATION SHEET | | PART NO. | SDBB-25P (55) | |
| | HIROSE ELECTRIC CO., LTD. | | CODE NO. | CL211-0251-0-55 | △ 1/1 |