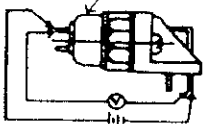


| COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE | COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE |
|--|-----------------------------|---|------|------|---|--------------------------|----|------------------------|------|
| △ | | | | | △ | | | | |
| △ | | | | | △ | | | | |
| APPLICABLE STANDARD | | | | | | | | | |
| RATING | OPERATING TEMPERATURE RANGE | °C TO °C | | | STORAGE TEMPERATURE RANGE | °C TO °C | | | |
| | VOLTAGE | 350 V AC , 490 V DC | | | OPERATING HUMIDITY RANGE | % TO % | | | |
| | CURRENT | 3 A | | | APPLICABLE CABLE | | | | |
| SPECIFICATIONS | | | | | | | | | |
| ITEM | | TEST METHOD | | | REQUIREMENTS | | | QT | AT |
| CONSTRUCTION | | | | | | | | | |
| GENERAL EXAMINATION | | VISUALLY AND BY MEASURING INSTRUMENT. | | | ACCORDING TO DRAWING. | | | ○ | ○ |
| MARKING | | CONFIRMED VISUALLY. | | | | | | ○ | ○ |
| ELECTRIC CHARACTERISTICS | | | | | | | | | |
| CONTACT RESISTANCE | | 100 mA (DC OR 1000 Hz). ① | | | 25 mΩ MAX. | | | ○ | ○ |
| CONTACT RESISTANCE MILLIVOLT LEVEL METHOD. | | 20 mV MAX, 1 mA (DC OR 1000 Hz). ① | | | | | | ○ | — |
| INSULATION RESISTANCE | | 500 V DC. | | | 5000 MΩ MIN. | | | ○ | ○ |
| VOLTAGE PROOF | | 1250 V AC FOR 1 min. | | | NO FLASHOVER OR BREAKDOWN. | | | ○ | ○ |
| MECHANICAL CHARACTERISTICS | | | | | | | | | |
| CONTACT INSERTION AND EXTRACTION FORCES | | φ 1.041 MAX φ 0.991 MIN BY STEEL GAUGE. | | | INSERTION FORCE 3.33 N MAX. EXTRACTION FORCE 0.28 N MIN. | | | ○ | — |
| INSERTION AND WITHDRAWAL FORCES | | MEASURED BY APPLICABLE CONNECTOR. | | | INSERTION FORCE 83.3 N MAX. EXTRACTION FORCE 55.8 N MAX. | | | ○ | — |
| MECHANICAL OPERATION | | 500 TIMES INSERTIONS AND EXTRACTIONS. ① | | | ① CONTACT RESISTANCE: 25 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS. | | | ○ | — |
| VIBRATION | | FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, -- m/s² AT 2 h, FOR 3 DIRECTIONS. | | | NO DAMAGE, CRACK AND LOOSENESS, OF PARTS. | | | ○ | — |
| SHOCK | | 490 m/s² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS. | | | | | | ○ | — |
| ENVIRONMENTAL CHARACTERISTICS | | | | | | | | | |
| RAPID CHANGE OF TEMPERATURE | | TEMPERATURE -55±2→5~35→85±3→5~35 °C TIME 30 →5MAX→ 30 →5MAX min UNDER 5 CYCLES. | | | NO DAMAGE, CRACK AND LOOSENESS, OF PARTS. | | | ○ | — |
| DAMP HEAT (STEADY STATE) | | EXPOSED AT 40 °C, 90~95 %, 96 h. | | | ① INSULATION RESISTANCE: 10 MΩ MIN. (AT HIGH HUMIDITY.) 1000 MΩ MIN. (AT DRY.) ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS. | | | ○ | — |
| CORROSION SALT MIST | | EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h. | | | NO HEAVY CORROSION. | | | ○ | — |
| 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. | | | ○ | — |
| 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. | | | ○ | — |
| REMARKS | | NOTE. ① MEASUREMENT POINT OF CONTACT RESISTANCE | | | HDBB-25P | | | | |
| | |  | | | DRAWN | | | | |
| | | Unless otherwise specified, refer to JIS C 5402. | | | DESIGNED | | | | |
| | | Note QT:Qualification Test AT:Assurance Test ○:Applicable Test | | | CHECKED | | | | |
| | | | | | APPROVED | | | | |
| | | | | | RELEASED | | | | |
| HRS | | HIROSE ELECTRIC CO., LTD. | | | SPECIFICATION SHEET | | | PART NO. | |
| CODE NO.(OLD) | | DRAWING NO. | | | CODE NO. | | | RDBD-25S-LNA(4-40)(55) | |
| CL | | ELC4-010418-02 | | | CL211-0302-0-55 | | | 1/1 | |