

| APPLICABLE STANDARD | | | | | |
|---|---|--------------------------|--|--|---|
| RATING | OPERATING TEMPERATURE RANGE | -25°C TO +85°C | STORAGE TEMPERATURE RANGE | -25°C TO +60°C | |
| | OPERATING & STORAGE HUMIDITY RANGE | 85%MAX | APPLICABLE CABLE | TINNED ANNEALED COPPER SIZE : AWG28 STRANDING : 7/0.127 INSULATION DIAMETER : $\phi 0.9 \pm 0.04$ | |
| | VOLTAGE | AC 125V | | | |
| | CURRENT | 0.5 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 |
| ELECTRICAL CHARACTERISTICS | | | | | |
| CONTACT RESISTANCE | 100 mA (DC OR 1000 Hz). | | 50 m Ω MAX. (SIGNAL) 1 | X | X |
| INSULATION RESISTANCE | 100 V DC. | | 1000 M Ω MIN. | X | — |
| VOLTAGE PROOF | 250 V AC FOR 1 min. | | NO FLASHOVER OR BREAKDOWN. | X | X |
| MECHANICAL CHARACTERISTICS | | | | | |
| INSERTION AND WITHDRAWAL FORCES | MEASURED BY APPLICABLE CONNECTOR. | | INSERTION FORCE 43 N MAX. WITHDRAWAL FORCE 3.8 N MIN. | X | — |
| MECHANICAL OPERATION | 1000 TIMES INSERTIONS AND EXTRACTIONS. | | 1) CONTACT RESISTANCE 70 m Ω MAX. 1 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | X | — |
| VIBRATION | FREQUENCY 10 TO 55 Hz SINGLE AMPLITUDE 0.75 mm, 5 min/CYCLE, TOTAL 10 CYCLES. | | 1) NO ELECTRICAL DISCONTINUITY OF 10 μ s. 2) 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 | | | | | |
| THERMAL SHOCK | TEMP -55 \rightarrow +5 TO +35 \rightarrow +85 \rightarrow +5 TO +35 °C TIME 30 \rightarrow 5 \rightarrow 30 \rightarrow 5 min. UNDER 5 CYCLES. | | 1) CONTACT RESISTANCE: 70 m Ω MAX. 1 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | X | — |
| HUMIDITY LIFE | TEMPERATURE 40 °C, HUMIDITY 90 TO 95 %, FOR 96 h | | 1) INSULATION RESISTANCE: 100 M Ω MIN. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | X | — |
| CORROSION SALT MIST | EXPOSED AT 5 % SALT WATER, FOR 48 h. | | NO HEAVY CORROSION THAT LOSE FUNCTION. | X | — |
| | | | | | |
| | COUNT | DESCRIPTION OF REVISIONS | DESIGNED | CHECKED | DATE |
| 1 | 1 | DIS-E-003445 | TF. HIGASHIYAMA | KN. ICHIKAWA | 10. 09. 29 |
| REMARK | | | APPROVED | AO. SUZUKI | 09. 10. 07 |
| 1 EXCLUDES CONDUCTOR RESISTANCE OF CABLE. | | | CHECKED | KN. ICHIKAWA | 09. 10. 07 |
| 2 EXAMINATION IS HELD WITH "DH-51-CV * B", "DH30B-51S" AND "DH60-51P" OR "DH-51-CT * B", "DH30B-51S" AND "DH60A-51P". | | | DESIGNED | MO. SHIMOYAMA | 09. 10. 07 |
| Unless otherwise specified, refer to JIS C 5402 . | | | DRAWN | TM. ONO | 09. 10. 07 |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test | | | DRAWING NO. | ELC4-126597-00 | |
| HRS | SPECIFICATION SHEET | | PART NO. | DH30B-51S | |
| | HIROSE ELECTRIC CO., LTD. | | CODE NO. | CL244-0020-9-00 | 1 / 1/1 |