







| | | | | | | |
|---|-----------------------------|---|---------------------------|--|---|-----|
| APPLICABLE STANDARD | | | | | | |
| RATING | OPERATING TEMPERATURE RANGE |  -55°C TO 85°C (NOTE 1) | STORAGE TEMPERATURE RANGE | -10°C TO 60°C | | |
| | VOLTAGE |  50V AC | APPLICABLE CONNECTOR | DF40*-12DP-0. 4V (**) | | |
| | CURRENT | 0. 3A | | | | |
| 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 | | 20mV AC OR LESS 1kHz,1mA . | | 90mΩ MAX. | X | — |
| INSULATION RESISTANCE | | 100V DC. | | 50MΩ MIN. | X | — |
| VOLTAGE PROOF | | 150V AC FOR 1 min.  | | NO FLASHOVER OR BREAKDOWN. | X | — |
| MECHANICAL CHARACTERISTICS | | | | | | |
| MECHANICAL OPERATION | | 30TIMES INSERTIONS AND EXTRACTIONS. | | ① CONTACT RESISTANCE: 90mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | — |
| VIBRATION | | FREQUENCY 10 TO 55 TO 10 Hz,APPROX 5min, SINGLE AMPLITUDE 0.75 mm,10CYCLES, FOR 3 DIRECTIONS. | | ① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | — |
| SHOCK | | 490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS. | | ① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | — |
| ENVIRONMENTAL CHARACTERISTICS | | | | | | |
| RAPID CHANGE OF TEMPERATURE | | TEMPERATURE -55→ 5 TO 35→85→ 5 TO 35 °C TIME 30→ 5 MAX → 30→ 5 MAX min UNDER 5 CYCLES. | | ① CONTACT RESISTANCE: 90mΩ MAX. ② INSULATION RESISTANCE: 50MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | — |
| DAMP HEAT (STEADY STATE) | | EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h. | | ① CONTACT RESISTANCE: 90mΩ MAX. ② INSULATION RESISTANCE: 25MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | — |
| SULPHUR DIOXIDE | | EXPOSED IN 25 PPM FOR 96h,25°C,75%. | | ① CONTACT RESISTANCE: 180mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | — |
| HEAT RESISTANCE OF SOLDERING | | RECOMMENDED TEMPERATURE PROFILE SOLDERING AREA MAX 250°C, 220°C FOR 60 SECONDS MAX. PREHEATING AREA 150 TO 180°C 90 TO 120SECONDS. MAXIMUM TWICE ACTION IS ALLOWED UNDER THE SAME CONDITION. RECOMMENDED MANUAL SOLDERING CONDITION SOLDERING IRON TEMPERATURE 350°C. SOLDERING TIME: WIHTIN 3 SECONDS. | | NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINASL. | X | — |
| SOLDERABILITY | | SOLDERING TEMPERATURE: 245±5°C DURATION OF IMMERSION: SOLDERING FOR 3 ±0.5 SECONDS. | | A NEW UNIFORM COATING OF SOLDER SHALL COVER MINIMUM OF 95% OF THE SURFACE BEING IMMersed. | X | — |
| | COUNT | DESCRIPTION OF REVISIONS | DESIGNED | CHECKED | DATE | |
|  | 3 | DIS-H-00019849 | RT. SHIMIZU | TY. 001 | 20240228 | |
| REMARKS NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT | | | APPROVED | MO. ISHIDA | 20141020 | |
| | | | CHECKED | YH. MICHIDA | 20141020 | |
| | | | DESIGNED | SJ. WADA | 20141020 | |
| | | | DRAWN | KR. AJITO | 20141020 | |
| Unless otherwise specified, refer to JIS C 5402, IEC 60512. | | | | | | |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test | | | DRAWING NO. | | ELC4-332417-03 | |
|  | SPECIFICATION SHEET | | PART NO. | DF40B (2. 0) -12DS-0. 4V (51) | | |
| | HIROSE ELECTRIC CO., LTD. | | CODE NO. | CL0684-4150-8-51 |  | 1/1 |