

| APPLICABLE STANDARD | | | | | | | | |
|--|---|--------------------------|--|--|-----------------------------|-------------------------|-----|---|
| RATING | OPERATING TEMPERATURE RANGE | -35°C TO +85°C (NOTE 1) | | STORAGE TEMPERATURE RANGE | -10°C TO + 60°C | | | |
| | VOLTAGE | 50V AC | | APPLICABLE CONNECTOR | DF17# (1.0H) -*DP-0.5V (**) | | | |
| | 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 | 100mA (DC OR 1000 Hz). | | | 60mΩ MAX. | X | — | | |
| INSULATION RESISTANCE | 100V DC. | | | 500MΩ MIN. | X | — | | |
| VOLTAGE PROOF | 150V AC FOR 1 min. | | | NO FLASHOVER OR BREAKDOWN. | X | — | | |
| MECHANICAL CHARACTERISTICS | | | | | | | | |
| INSERTION AND WITHDRAWAL FORCES | MEASURED BY APPLICABLE CONNECTOR. | | | SIGNAL | INSERTION FORCE (N)MAX | WITHDRAWAL FORCE (N)MIN | X | — |
| | | | | 26 | 26.0 | 2.6 | | |
| | | | | 30 | 30.0 | 3.0 | | |
| | | | | 60 | 60.0 | 6.0 | | |
| | | | | 70 | 70.0 | 7.0 | | |
| | | | | 80 | 80.0 | 8.0 | | |
| MECHANICAL OPERATION | 50TIMES INSERTIONS AND EXTRACTIONS. | | | ① CONTACT RESISTANCE: 60mΩ MAX. ② NO DAMAGE, CRACK OR 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 1μs. 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 1μs. 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→10 TO 15→ 30→10TO15min UNDER 5 CYCLES. | | | ① CONTACT RESISTANCE: 60mΩ MAX. ② INSULATION RESISTANCE: 500 MΩ 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: 60mΩ MAX. ② INSULATION RESISTANCE: 250 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | | X | — | |
| CORROSION SALT MIST | EXPOSED IN 5% SALT WATER SPRAY FOR 48 h. | | | ① CONTACT RESISTANCE: 60 mΩ MAX. ② NO HEAVY CORROSION. | | X | — | |
| SULPHUR DIOXIDE | EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD:JEIDA-39) | | | ① CONTACT RESISTANCE: 60 mΩ MAX. ② NO HEAVY CORROSION. | | X | — | |
| HEAT RESISTANCE OF SOLDERING | [RECOMMENDED TEMPERATURE PROFILE] 《SOLDERING AREA》 MAX250°C, 220°C FOR 60 SECONDS MAX. 《PREHEATING AREA》 150 TO 180°C 90 ~ 120 SECONDS. MAXIMUM TWICE ACTION IS ALLOWED UNDER THE SAME CONDITION. [RECOMMENDED MANUAL SOLDELING CONDITION] SOLDERING IRON TEMPERATURE 350°C SOLDERING TIME : WITHIN 3 SECONDS. | | | NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS. | | X | — | |
| | COUNT | DESCRIPTION OF REVISIONS | | DESIGNED | CHECKED | DATE | | |
| REMARKS NOTE1:INCLUDING THE TEMPERATURE RISE BY CURRENT. UNLESS OTHERWISE SPECIFIED,REFER TO JIS C 5402. | | | | APPROVED | MO.NAKAMURA | 05.12.27 | | |
| | | | | CHECKED | TS.MIYAZAKI | 05.12.22 | | |
| | | | | DESIGNED | YH.MICHIDA | 05.12.21 | | |
| | | | | DRAWN | HK.MURAKAMI | 05.12.21 | | |
| Note | QT:Qualification Test AT:Assurance Test X:Applicable Test | | | DRAWING NO. | ELC4-162763-08 | | | |
| | SPECIFICATION SHEET | | | PART NO. | DF17B (3.0H) -*DS-0.5V (57) | | | |
| | HIROSE ELECTRIC CO., LTD. | | | CODE NO. | CL683 | | 1/1 | |