

| APPLICABLE STANDARD | | | | |
|---------------------|-----------------------------|------------------------|---------------------------|-------------------------|
| RATING | OPERATING TEMPERATURE RANGE | -35°C TO 85°C (NOTE 1) | STORAGE TEMPERATURE RANGE | -10°C TO 60°C |
| | VOLTAGE | 30V AC | APPLICABLE CONNECTOR | DF40*-*DP-0.4V (NOTE 2) |
| | 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 | 100V 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 | - |
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| COUNT | DESCRIPTION OF REVISIONS | DESIGNED | CHECKED | DATE |
|-------|--------------------------|----------|---------|------|
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| REMARKS NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT NOTE2: DF40H* REMAIN INOPERATIVE Unless otherwise specified, refer to JIS C 5402. | APPROVED | KH. IKEDA | 08.04.18 |
| | CHECKED | TS. MIYAZAKI | 08.04.18 |
| | DESIGNED | TK. SUZUKI | 08.04.17 |
| | DRAWN | TK. SUZUKI | 08.04.17 |

Note QT:Qualification Test AT:Assurance Test X:Applicable Test DRAWING NO. ELC4-315166-02

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| HRS | SPECIFICATION SHEET | PART NO. | DF40C (2.0) -*DS-0.4V (51) |
| | HIROSE ELECTRIC CO., LTD. | CODE NO. | CL684 △ 1/1 |