

| 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*-*DS-0.4V |
| | CURRENT | 0.3A | | |

SPECIFICATIONS

| ITEM | TEST METHOD | REQUIREMENTS | QT | AT |
|------|-------------|--------------|----|----|
|------|-------------|--------------|----|----|

CONSTRUCTION

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|---------------------|---------------------------------------|-----------------------|---|---|
| GENERAL EXAMINATION | VISUALLY AND BY MEASURING INSTRUMENT. | ACCORDING TO DRAWING. | X | X |
| MARKING | CONFIRMED VISUALLY. | | X | X |

ELECTRIC CHARACTERISTICS

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|-----------------------|-----------------------------|----------------------------|---|---|
| CONTACT RESISTANCE | 20mV AC OR LESS 1kHz, 1m A. | 90m Ω MAX. | X | - |
| INSULATION RESISTANCE | 100V DC. | 50M Ω MIN. | X | - |
| VOLTAGE PROOF | 100V AC FOR 1 min. | NO FLASHOVER OR BREAKDOWN. | X | - |

MECHANICAL CHARACTERISTICS

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|----------------------|---|--|---|---|
| MECHANICAL OPERATION | 30TIMES INSERTIONS AND EXTRACTIONS. | ① CONTACT RESISTANCE: 90m Ω 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 μ s. 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 μ s. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | - |

ENVIRONMENTAL CHARACTERISTICS

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|-----------------------------|---|--|---|---|
| RAPID CHANGE OF TEMPERATURE | TEMPERATURE -55 \rightarrow 5 TO 35 \rightarrow 85 \rightarrow 5 TO 35 °C TIME 30 \rightarrow 5 MAX \rightarrow 30 \rightarrow 5 MAX min UNDER 5 CYCLES. | ① CONTACT RESISTANCE: 90m Ω MAX. ② INSULATION RESISTANCE: 50M Ω MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | - |
| DAMP HEAT (STEADY STATE) | EXPOSED AT 40 \pm 2 °C, 90 TO 95 %, 96 h. | ① CONTACT RESISTANCE: 90m Ω MAX. ② INSULATION RESISTANCE: 25M Ω MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | - |
| SULPHUR DIOXIDE | EXPOSED IN 25 PPM FOR 96h, 25°C, 75%. | ① CONTACT RESISTANCE: 180m Ω MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | - |
| | | | X | - |

| COUNT | DESCRIPTION OF REVISIONS | DESIGNED | CHECKED | DATE |
|-------|--------------------------|----------|---------|------|
| | | | | |

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| REMARKS NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT Unless otherwise specified, refer to JIS C 5402, IEC 60512. | APPROVED | KH. IKEDA | 08.06.27 |
| | CHECKED | AR. TAKAHASHI | 08.06.27 |
| | DESIGNED | TK. SUZUKI | 08.06.27 |
| | DRAWN | TK. SUZUKI | 08.06.27 |

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| Note QT: Qualification Test AT: Assurance Test X: Applicable Test | DRAWING NO. | ELC4-311351-01 |
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|--|---------------------------|----------|---------------------|-----|
| | SPECIFICATION SHEET | PART NO. | DF40C-*DP-0.4V (51) | |
| | HIROSE ELECTRIC CO., LTD. | CODE NO. | CL684 | |
| | | | | 1/1 |