

In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

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| TO |
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| COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE | COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE |
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|---------------------|---------|-----------------------------|------------------|--------------------------------|--------------|
| APPLICABLE STANDARD | | OPERATING TEMPERATURE RANGE | | STORAGE TEMPERATURE RANGE | |
| | | -35 °C TO +85 °C(NOTE1) | | -10 °C TO +60 °C | |
| RATING | VOLTAGE | 100 V AC | | APPLICABLE CONTACT | |
| | CURRENT | AWG28:1 A, AWG30:0.9 A | | APPLICABLE CONNECTOR | DF19*-30P-1H |
| | | AWG32:0.8 A | APPLICABLE CABLE | OUTER DIAMETER: φ0.5 TO 0.6 mm | |

SPECIFICATIONS

| ITEM | TEST METHOD | REQUIREMENTS | Q/T | A/T |
|------|-------------|--------------|-----|-----|
|------|-------------|--------------|-----|-----|

CONSTRUCTION

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

ELECTRICAL CHARACTERISTICS

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|-----------------------|---------------------|----------------------------|---|---|
| INSULATION RESISTANCE | 100 V DC. | 500 MΩ MIN. | X | - |
| VOLTAGE PROOF | 300 V AC FOR 1 min. | NO FLASHOVER OR BREAKDOWN. | X | - |

MECHANICAL CHARACTERISTICS

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| VIBRATION | FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h FOR 3 DIRECTIONS. | ① NO ELECTRICAL DISCONTINUITY OF 1 μs. | X | - |
| SHOCK | 490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS. | ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | - |

ENVIRONMENTAL CHARACTERISTICS

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| RAPID CHANGE OF TEMPERATURE | TEMPERATURE -55 → 5TO 35 → +85 → 5TO 35 °C TIME 30 → 2TO 3 → 30 → 2 TO 3 min UNDER 5 CYCLES. | ① CONTACT RESISTANCE: 30 MΩ 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. | | X | - |

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| REMARKS | | DRAWN | DESIGNED | CHECKED | APPROVED | RELEASED |
| NOTE 1: INCLUDE THE TEMPERATURE RISING BY CURRENT. | | <i>S. Awa</i> | <i>S. Awa</i> | <i>T. Higashimaki</i> | <i>T. Awa</i> | |
| Unless otherwise specified, refer to JIS-C-5024. | | 08.02.12 | 08.02.12 | 04.02.12 | 04.02.12 | |

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

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| HRS HIROSE ELECTRIC CO., LTD. | | SPECIFICATION SHEET | | PART NO. DF19-30S-1C | |
|--------------------------------------|--|----------------------------|--|-----------------------------|--|

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|---------------|----------------|----------|----|---------------------|---|
| CODE NO.(OLD) | DRAWING NO. | PART NO. | CL | 6 8 5 - 0 0 1 3 - 1 | 1 |
| CL | ELC4-162521-01 | CL | | | 1 |

