



**THE DATASHEET OF  
DF11-30DS-2C**



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| COUNT | DESCRIPTION OF REVISIONS | BY         | CHKD | DATE | COUNT     | DESCRIPTION OF REVISIONS | BY | CHKD | DATE |
|-------|--------------------------|------------|------|------|-----------|--------------------------|----|------|------|
| △     | 6                        | RE-H-03802 | T.A  | C.H  | '00.07.12 | △                        |    |      |      |
| △     |                          |            |      |      |           | △                        |    |      |      |

  

|                            |         |                             |        |                         |   |                           |   |                  |               |
|----------------------------|---------|-----------------------------|--------|-------------------------|---|---------------------------|---|------------------|---------------|
| <b>APPLICABLE STANDARD</b> |         | OPERATING TEMPERATURE RANGE |        | -30 °C TO 85 °C(NOTE 1) |   | STORAGE TEMPERATURE RANGE |   | -10°C TO 60 °C △ |               |
| RATING                     | VOLTAGE | 250V AC                     | △      | 30V AC                  | △ | APPLICABLE CONTACT        | △ | DF11-22SC *      | DF11-2428SC * |
|                            | CURRENT | 2 A                         | UL-CSA | 2 A                     | △ | APPLICABLE CABLE          | △ | UL1061,1007      | AWG22~28      |

  

| SPECIFICATIONS   |   |  |          |          |             |          |
|--|---|--|----------|----------|-------------|----------|
| ITEM   | TEST METHOD   | REQUIREMENTS   | QT       | AT       |             |          |
| <b>CONSTRUCTION</b>  |   |  |          |          |             |          |
| GENERAL EXAMINATION  | VISUALLY AND BY MEASURING INSTRUMENT.   | ACCORDING TO DRAWING.  | ×        | ×        |             |          |
| MARKING  | CONFIRMED VISUALLY.   |  | ×        | ×        |             |          |
| <b>ELECTRIC CHARACTERISTICS</b>                                  |   |  |          |          |             |          |
| INSULATION RESISTANCE  | 500V DC.  | 1000 MΩ MIN.   | ×        | —        |             |          |
| VOLTAGE PROOF  | 650 V AC FOR 1 min.   | NO FLASH OVER OR BREAKDOWN.  | ×        | —        |             |          |
| <b>MECHANICAL CHARACTERISTICS</b>                                |   |  |          |          |             |          |
| MECHANICAL OPERATION   | 30 TIMES INSERTIONS AND EXTRactions.  | ① CONTACT RESISTANCE: 30 mΩ MAX.<br>② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.  | ×        | —        |             |          |
| VIBRATION  | FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75mm AT 2 h, FOR 3 DIRECTIONS.                      | ① NO ELECTRICAL DISCONTINUITY OF 1 μs.<br>② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.  | ×        | —        |             |          |
| SHOCK △  | 490 m/s <sup>2</sup> DIRECTIONS OF PULSE 11 ms AT 3 TIME FOR 3 DIRECTION.                     |  | ×        | —        |             |          |
| <b>ENVIRONMENTAL CHARACTERISTICS</b>                             |   |  |          |          |             |          |
| RAPID CHANGE OF TEMPERATURE                                      | TEMPERATURE -55→ 5 TO 35→85→ 5 TO 35 °C<br>TIME 30→ 5 TO 15→30→ 5 TO 15min<br>UNDER 5 CYCLES. | ① CONTACT RESISTANCE: 30 mΩ MAX.<br>② INSULATION RESISTANCE: 1000M Ω MIN.<br>③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.     | ×        | —        |             |          |
| DAMP HEAT (STEADY STATE)   | EXPOSED AT 40±2 °C, 90 TO 95 %, 96 h.   | ① CONTACT RESISTANCE: 30 mΩ MAX.<br>② INSULATION RESISTANCE: 500M Ω MIN.<br>△<br>③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS. | ×        | —        |             |          |
| REMARKS  |   |  |          |          |             |          |
| NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT                 |   | DRAWN  | DESIGNED | CHECKED  | APPROVED    | RELEASED |
|  |   | T.OMA  | T.OMA    | K.SATO   | M.YAMAMOTO  |          |
| Unless otherwise specified, refer to MIL-STD-1344.               |   | '90.5.10   | '90.5.10 | '90.5.10 | '90.5.10    |          |
| Note QT: Qualification Test AT: Assurance Test ×:Applicable Test |   |  |          |          |             |          |
| <b>HRS HIROSE ELECTRIC CO., LTD.</b>                             |   | <b>SPECIFICATION SHEET</b>   |          |          | PART NO.    |          |
|  |   |  |          |          | DF11-*DS-2C |          |
| CODE NO.(OLD)  | DRAWING NO.   | PEART NO   |          | 1        |             |          |
| CL   | ELC4-162389-01  | CL543-   |          | 1        |             |          |



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