

| APPLICABLE STANDARD | | | | |
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| RATING | OPERATING TEMPERATURE RANGE | -35°C TO +85°C(NOTE 1) | STORAGE TEMPERATURE RANGE | -10°C TO +60°C(NOTE 3) |
| | OPERATING HUMIDITY RANGE | 20% TO 80%(NOTE 2) | STORAGE HUMIDITY RANGE | 40% TO 70%(NOTE 2)(NOTE 3) |
| | VOLTAGE | 100V AC / DC | APPLICABLE CONNECTOR | DF81※-40S-0.4H(##) |
| | CURRENT | AWG#34,36 : 0.3(MAX0.8A) AWG#40 : 0.25A AWG#42 : 0.2A AWG#44 : 0.15A AWG#46 : 0.1A | (NOTE4) (NOTE5) | APPLICABLE CABLE |

SPECIFICATIONS

| ITEM | TEST METHOD | REQUIREMENTS | QT | AT |
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CONSTRUCTION

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



ENVIRONMENTAL CHARACTERISTICS

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| SULFUR DIOXIDE GAS | EXPOSED IN 25±5PPM , 25±2°C , 75%RH , 96h. | NO DEFECT SUCH AS CORROSION WHICH IMPAIRS THE FUNCTION OF CONNECTOR. | X | — |
| RESISTANCE TO SOLDERING HEAT | ①BONDING TEMPERATURE: 270°C MAX :5 sec MAX 200°C MIN :30 sec MAX ②MANUAL SOLDERING TEMPERATURE: 350°C, 3sec MAX. | NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS. | X | — |
| SOLDERABILITY | SOLDERED AT SOLDER TEMPERATURE, 245°C FOR INSERTION DURATION, 5 sec. (Sn-3.0Ag-0.5Cu) | SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSSED. | X | — |

| | COUNT | DESCRIPTION OF REVISIONS | DESIGNED | CHECKED | DATE |
|--|-------|--------------------------|----------|---------|------|
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| REMARKS NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT NOTE2: NON CONDENSING NOTE3: THE TERM "STORAGE" REFERS TO PRODUCTS STORED FOR A LONG PERIOD PRIOR TO MOUNTING AND USE. THE OPERATING TEMPERATURE AND HUMIDITY RANGE COVERS THE NON-CONDUCTING CONDITION OF CONNECTORS AFTER BOARD MOUNTING AND THE TEMPORARY STORAGE CONDITIONS OF TRANSPORTATION, etc NOTE4:IT COULD BE VARIED DEPENDING ON THE CONDITIONS. "MAX" IS RATING CURRENT AS ONLY TWO OF THEM TURN ON ELECTRICITY. NOTES: TEMPERATURE RISE OF CONNECTOR BODY ONLY, AND THAT OF CABLE IS NOT INCLUDED. Unless otherwise specified, refer to JIS C 5402,IEC60512. | APPROVED | MH. YAMANE | 13. 11. 06 |
| | CHECKED | MH. TSUCHIDA | 13. 11. 05 |
| | DESIGNED | AH. MIYAZAKI | 13. 11. 01 |
| | DRAWN | AH. MIYAZAKI | 13. 11. 01 |

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| Note QT:Qualification Test AT:Assurance Test X:Applicable Test | DRAWING NO. | ELC4-345354-02 |
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|  | SPECIFICATION SHEET | PART NO. | DF81-40P-SHL (52) | |
| | HIROSE ELECTRIC CO., LTD. | CODE NO. | CL662-8108-6-52 |  1/1 |