

|                     |                             |                                  |                           |   |
|---------------------|-----------------------------|----------------------------------|---------------------------|---|
| Applicable standard |                             |                                  |                           |   |
| Rating              | Operating Temperature range | -35 °c to +85°c (Note1)          | Storage Temperature range | -10 °c to +60°c (Note3)                 |
|                     | Operating Humidity range    | 40% to 80% (Note2)               | Storage Humidity range    | 40% to 70% (Note3)                      |
|                     | Voltage                     | AC/DC 250V                       | Applicable cable          | UL1007,1061 : AWG20 to 22               |
|                     | Current                     | AWG20 : 5A/pin<br>AWG22 : 3A/pin | Applicable connector      | DF1BA-*(D)EP-2.5RC<br>DF1B-*(D)EP-2.5RC |

### Specifications


| Item | Test method | Requirements | QT | AT |
|------|-------------|--------------|----|----|
|------|-------------|--------------|----|----|


|                     |                                       |                       |   |   |
|---------------------|---------------------------------------|-----------------------|---|---|
| <b>Construction</b> |                                       |                       |   |   |
| General examination | Visually and by measuring instrument. | According to drawing. | X | X |
| Marking             | Confirmed visually.                   |                       | X | X |

|                                 |                        |            |   |   |
|---------------------------------|------------------------|------------|---|---|
| <b>Electric characteristics</b> |                        |            |   |   |
| Contact resistance              | 100 mA (DC OR 1000Hz). | 30 mΩ MAX. | X | - |

|                                   |  |  |   |   |
|-----------------------------------|--|--|---|---|
| <b>Mechanical characteristics</b> |  |  |   |   |
| Mechanical operation              | 30 times insertion and extraction.   | 1) Contact resistance: 30 mΩ MAX.<br>2) No damage, crack or looseness of parts.        | X | - |
| Vibration                         | Frequency 10 to 55 Hz, single amplitude<br>0.75 mm, at 2h, for 3 directions. | 1) No electrical discontinuity of 1 μ s.<br>2) No damage, crack or looseness of parts. | X | - |
| Shock                             | 490 m/s <sup>2</sup> duration of pulse 11 ms at 3 times for 3 directions.    |  | X | - |


|                                      |   |   |   |   |
|--------------------------------------|---|---|---|---|
| <b>Environmental characteristics</b> |   |   |   |   |
| Damp heat (steady state)             | Exposed at 40 ± 2°C , 90 to 95 %, 96 h.   | 1) Contact resistance: 30 mΩ MAX.<br>2) No damage, crack or looseness of parts. | X | - |
| Rapid change of temperature          | Temperature -55→5 to 35→+85→5 to 35°C<br>Time 30→5 →30 →5min<br>Under 5 cycles. |   | X | - |

**Remarks**  
 Note1: Include the temperature rising by current.  
 Note2: No condensing.  
 Note3: Apply to the packaged and unused product. 

| Count   | Description of revisions | Designed  | Checked | Date     |
|---|--------------------------|-----------|---------|----------|
|  2 | DIS-H-00017601           | JN. TONAI | SZ. ONO | 20230324 |

|   |          |             |          |
|---|----------|-------------|----------|
| Unless otherwise specified, refer to IEC 60512. | Approved | TY. OMA     | 20060418 |
|   | Checked  | HK. UMEHARA | 20060418 |
|   | Designed | NS. HIROSE  | 20060413 |
|   | Drawn    | AK. MIURA   | 20060411 |

Note QT:Qualification test AT:Assurance test X:applicable test      Drawing No. **ELC-020431-00-01**

|            |                           |          |                  |   |
|------------|---------------------------|----------|------------------|---|
| <b>HRS</b> | Specification sheet       | Part No. | DF1B-2022PCF     |   |
|            | Hirose electric co., Ltd. | Code No. | CL0541-0259-9-00 |  1/1 |