

| Applicable standard | | | | | |
|---|---|---|---|----------------------|---|
| Rating | Operating temperature range | -30°C to + 85°C (Note 1) | Storage temperature range | -10°C to + 60°C | |
| | Voltage | 250V AC | UL · CSA Rating | Voltage | 30V AC |
| | Current | AWG 24 : 3A AWG 26 : 2A AWG 28 : 1A |  | Current | AWG 24 : 3A AWG 26 : 2A AWG 28 : 1A |
| | Applicable contact | DF3-EP2428PCF (A) DF3-EP2428PC (A) | | Applicable connector | DF3-*S-2C |
| | | Applicable cable | UL1061, 1007 AWG24 to 28 | | |
| Specifications | | | | | |
| Item | Test method | Requirements | QT | AT | |
| Construction | | | | | |
| General examination | Visually and by measuring instrument. | According to drawing. | X | X | |
| Marking | Confirmed visually. | | X | X | |
| Electric characteristics | | | | | |
| Insulation resistance | 500V DC. | 1000MΩ MIN. | X | - | |
| Voltage proof | 650V AC for 1 min. | No flashover or breakdown. | X | - | |
| Mechanical characteristics | | | | | |
| Vibration | Frequency 10 to 55 Hz, single amplitude 0.75 mm, at 2 h, for 3 directions. | ① No electrical discontinuity of 1μs. | 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 | | | | | |
| Rapid change of temperature | Temperature -55→ 5 to 35→+85→ 5 to 35 °c Time 30→ 5 to 15 → 30→ 5 to 15 min Under 5 cycles. | ① Insulation resistance: 1000MΩ MIN. ② No damage, crack or looseness of parts. | X | - | |
| Damp heat (Steady state) | Exposed at 40 ± 2 °c, 90 to 95 %, 96 h. | ① Insulation resistance: 1000MΩ MIN. ② No damage, crack or looseness of parts. | X | - | |
| | | | | | |
| | count | description of revisions | designed | checked | date |
|  | 1 | DIS-H-00001155 | MI. SAKIMURA | TS. FUKUSHIMA | 15. 12. 04 |
| Remarks | | | Approved | KJ. KATAYOSE | 05. 01. 05 |
| Note 1:Including the temperature rise by current. | | | Checked | KI. AKIYAMA | 05. 01. 05 |
| | | | Designed | TH. ARAI | 05. 01. 05 |
| Unless otherwise specified , refer to IEC 60512. | | | Drawn | TH. ARAI | 05. 01. 05 |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test | | Drawing no. | | ELC-162330-00-01 | |
|  | Specification sheet | | Part no. | DF3-*EP-2C | |
| | Hirose electric co., ltd. | | Code no. | GL543 |  1/1 |