Mar.1.2024 Copyright 2024 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

| 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 △1 | Voltage | 30V AC |
| | Current | AWG 24 : 3A<br>AWG 26 : 2A<br>AWG 28 : 1A | | Current | AWG 24 : 3A<br>AWG 26 : 2A<br>AWG 28 : 1A |
| | Applicable contact | DF3-EP2428PCF(A)<br>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<br>Time 30→ 5 to 15 → 30→ 5 to 15 min<br>Under 5 cycles. | ① Insulation resistance: 1000MΩ MIN.<br>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.<br>② No damage, crack or looseness of parts. | X | – |

| | count | description of revisions | designed | checked | date |
|---|---|---|---|---|---|
| △1 | 1 | DIS-H-00001155 | MI.SAKIMURA | TS.FUKUSHIMA | 15.12.04 |

Remarks
Note 1:Including the temperature rise by current.

Unless otherwise specified , refer to IEC 60512.

| | | |
|---|---|---|
| Approved | KJ.KATAYOSE | 05.01.05 |
| Checked | KI.AKIYAMA | 05.01.05 |
| Designed | TH.ARAI | 05.01.05 |
| Drawn | TH.ARAI | 05.01.05 |

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

| | | | | |
|---|---|---|---|---|
| | | Drawing no. | ELC-162330-00-01 | |
| HRS | Specification sheet | Part no. | DF3-*EP-2C | |
| | Hirose electric co., ltd. | Code no. | CL543 | △1 1/1 |

FORM HD0011-2-1