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 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 | -55°C TO + 105°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 3) |
| | Current | AWG8 | 45A/pin | Applicable Crimp socket | DF60FS(R)-2S-10.16C(##) |
| | | AWG10 | 35A/pin | | |
| | AWG12 | 28A/pin | | | |

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 |


MECHANICAL CHARACTERISTICS

| | | | | |
|-----------|---|---|---|---|
| Vibration | Frequency 10 to 500 HZ, single amplitude 0.75 mm, at 10 cycles, for 3 directions. | No damage, crack or looseness of parts. | X | - |
| Shock | 490 m/s ² duration of pulse 11 ms at 3 times for 3 directions. | No damage, crack or looseness of parts. | X | - |

ENVIRONMENTAL CHARACTERISTICS



| | | | | |
|-----------------------------|--|---|---|---|
| Damp heat (steady state) | Exposed at 40 ± 2 °c, 90 to 95 %, 96 h. | No damage, crack or looseness of parts. | X | - |
| Rapid change of temperature | Temperature -55°C → +105°C Time 30min → 30min Under 25 cycles. (the transferring time of the tank is 2-3 min) (after leaving the room temperature for 1-2h.) | No damage, crack or looseness of parts. | X | - |
| Dry heat | Exposed at 105 ± 2°C, 250h (after leaving the room temperature for 1-2h.) | No damage, crack or looseness of parts. | X | - |
| Cold | Exposed at -55±3°C, 96h | No damage, crack, or looseness of parts | X | - |

Remarks
 Note 1:Include the temperature rising by current.
 Note 2:No condensing.
 Note 3:Apply to the unused and packaged product.

|  | COUNT | DESCRIPTION OF REVISIONS | DESIGNED | CHECKED | DATE |
|---|-------|--------------------------|----------|---------|------|
| | | | | | |

Unless otherwise specified, refer to IEC 60512.

| | | |
|----------|-------------|----------|
| APPROVED | SJ. OKAMURA | 20231019 |
| CHECKED | TT. OHSAKO | 20231019 |
| DESIGNED | KT. NUMATA | 20231018 |
| DRAWN | SK. CHIBA | 20231018 |

| | | | | | |
|---|---------------------------|-------------|------------------|---------------------|---|
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test | | DRAWING NO. | ELC-402082-00-00 | | |
|  | SPECIFICATION SHEET | | PART NO. | DF60FS-2S-10.16C-CV | |
| | HIROSE ELECTRIC CO., LTD. | | CODE NO. | CL0680-4014-0-00 |  1/1 |