

Dec.1.2023 Copyright 2023 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.

| COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE | COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE |
|--|-----------------------------|---|------|---------------------|---|--------------------------|--------------------------|----------|------|
| △ | | | | | △ | | | | |
| △ | | | | | △ | | | | |
| APPLICABLE STANDARD | | | | | | | | | |
| RATING | OPERATING TEMPERATURE RANGE | -35 °C TO +85 °C(NOTE1) | | | STORAGE TEMPERATURE RANGE | -10 °C TO +60 °C | | | |
| | VOLTAGE | 150 V AC | | | APPLICABLE CONTACT | | | | |
| | CURRENT | 1 A | | | APPLICABLE CONNECTOR | AWG30~32 | | | |
| | | | | | APPLICABLE CABLE | | | | |
| SPECIFICATIONS | | | | | | | | | |
| ITEM | | TEST METHOD | | | REQUIREMENTS | | | QT | AT |
| CONSTRUCTION | | | | | | | | | |
| GENERAL EXAMINATION | | VISUALLY AND BY MEASURING INSTRUMENT. | | | ACCORDING TO DRAWING. | | | × | × |
| MARKING | | CONFIRMED VISUALLY. | | | | | | × | × |
| ELECTRIC CHARACTERISTICS | | | | | | | | | |
| CONTACT RESISTANCE | | 100 mA (DC OR 1000 Hz). | | | 30 mΩ MAX. | | | × | — |
| MECHANICAL CHARACTERISTICS | | | | | | | | | |
| CONTACT INSERTION AND EXTRACTION FORCES | | □0.35±0.002 BY STEEL GAUGE. | | | INSERTION FORCE 3.0 N MAX. EXTRACTION FORCE 0.3 N MIN. | | × | — | |
| MECHANICAL OPERATION | | 30 TIMES INSERTIONS AND EXTRACTIONS. | | | ① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | | | × | — |
| VIBRATION | | FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS. | | | ① NO ELECTRICAL DISCONTINUITY OF 1 μs. | | | × | — |
| SHOCK | | 490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS. | | | ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | | | × | — |
| ENVIRONMENTAL CHARACTERISTICS | | | | | | | | | |
| RAPID CHANGE OF TEMPERATURE | | TEMPERATURE -55 →5 ~ 35 →+85 →5 ~35 °C TIME 30 →10 ~ 15 →30 →10~15min UNDER 5 CYCLES. | | | ① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | | | × | — |
| CRIMP TENSILE STRENGTH | | AWG30 AWC32 | | | 5.9N MIN 2.9N MIN | | | × | — |
| | | | | | | | | | |
| REMARKS | | | | DRAWN | DESIGNED | CHECKED | APPROVED | RELEASED | |
| NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT. | | | | M. Kuramashi | H. Umehara | T. Miyajima | K. Katayama | | |
| Unless otherwise specified, refer to MIL-STD-1344. | | | | '02.11.29 | '02.11.29 | '02.11.29 | '02.11.29 | | |
| Note QT:Qualification Test AT:Assurance Test ×:Applicable Test | | | | | | | | | |
| HRS HIROSE ELECTRIC CO., LTD. | | | | SPECIFICATION SHEET | | | PART NO. DF13-3032SCF | | |
| CODE NO.(OLD) | | DRAWING NO. | | PART NO. | | | | | |
| CL | | ELC4-081859 | | CL536-0299-8 | | 1/1 | | | |

