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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 85 °C <sup>(1)</sup> | OPERATING HUMIDITY RANGE   | 40 % TO 80 %                |          |
|   | STORAGE TEMPERATURE RANGE                 | -10 °C TO 60 °C <sup>(2)</sup> | STORAGE HUMIDITY RANGE   | 40 % TO 70 % <sup>(2)</sup> |          |
|   | VOLTAGE                                   | 250 V AC                       | APPLICABLE CABLE (AWG SIZE)  | AWG24 TO 28                 |          |
|   | CURRENT                                   | 3 A                            | APPLICABLE CABLE (OUTER DIAMETER)  | φ 0.7 TO 1.5mm              |          |
| SPECIFICATIONS  |   |                                |  |                             |          |
| ITEM  | TEST METHOD                               |                                | REQUIREMENTS   | QT                          | AT       |
| <b>CONSTRUCTION</b>   |   |                                |  |                             |          |
| GENERAL EXAMINATION   | VISUALLY AND BY MEASURING INSTRUMENT.     |                                | ACCORDING TO DRAWING.  | ×                           | ×        |
| MARKING   | CONFIRMED VISUALLY.                       |                                |  | ×                           | ×        |
| <b>ELECTRIC CHARACTERISTICS</b>   |   |                                |  |                             |          |
| CONTACT RESISTANCE  | 100 mA (DC or 1000 Hz).                   |                                | 15 mΩ MAX.   | ×                           | -        |
| <b>MECHANICAL CHARACTERISTICS</b>   |   |                                |  |                             |          |
| CONTACT INSERTION AND EXTRACTION FORCES   | □0.635±0.002mm BY STEEL GAUGE.            |                                | INSERTION FORCE: 3.43 N MAX.<br>EXTRACTION FORCE: 0.56 N MIN.                  | ×                           | -        |
| MECHANICAL OPERATION  | 500 TIMES INSERTIONS AND EXTRACTIONS.     |                                | ① CONTACT RESISTANCE: 15 mΩ MAX.<br>② NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | ×                           | -        |
| <b>ENVIRONMENTAL CHARACTERISTICS</b>  |   |                                |  |                             |          |
| CORROSION SALT MIST   | EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h. |                                | ① CONTACT RESISTANCE: 15 mΩ MAX.<br>② NO HEAVY CORROSION.                      | ×                           | -        |
| <b>OTHERS</b>   |   |                                |  |                             |          |
| CRIMP STRENGTH  |   |                                | AWG28 : 15.6 N MIN.  | ×                           | -        |
|   |   |                                |  |                             |          |
| COUNT   | DESCRIPTION OF REVISIONS                  |                                | DESIGNED   | CHECKED                     | DATE     |
| △   |   |                                |  |                             |          |
| REMARK <sup>(1)</sup> TEMPERATURE RISE INCLUDED WHEN ENERGIZED.<br><sup>(2)</sup> THIS STORAGE INDICATES A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE THE BOARD MOUNTED. |   |                                | APPROVED   | HS. OKAWA                   | 06.05.30 |
|   |   |                                | CHECKED  | HS. OZAWA                   | 06.05.30 |
|   |   |                                | DESIGNED   | KY. NAKAMURA                | 06.05.30 |
|   |   |                                | DRAWN  | AK. SUZUKAWA                | 06.05.29 |
| Unless otherwise specified, refer to MIL-STD-202.   |   |                                |  |                             |          |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test  |   |                                | DRAWING NO.  | ELC4-016840-00              |          |
| <b>HRS</b>  | SPECIFICATION SHEET                       |                                | PART NO.   | HIF3-2428SCA                |          |
|   | HIROSE ELECTRIC CO., LTD.                 |                                | CODE NO.   | CL562-0246-8-00             | △ 1/1    |