

| APPLICABLE STANDARD  |  |   |  |  |   |                  |          |
|--|--|---|--|--|---|------------------|----------|
| Rating   | Operating Temperature Range <sup>(2)</sup> | -40°C to +105°C   |  | Storage Temperature Range  | -10°C to +60°C                                      |                  |          |
|  | Voltage                                    | —   |  | Applicable Cable <sup>(1)</sup>  | ①AWG#22 to 24<br>②Wire Jacket Diameter ϕ 1.4 to 1.6 |                  |          |
|  | Current                                    | 1 A   |  |  |   |                  |          |
| SPECIFICATIONS   |  |   |  |  |   |                  |          |
| ITEM   |  | TEST METHOD   |  | REQUIREMENTS   | QT  | AT               |          |
| CONSTRUCTION   |  |   |  |  |   |                  |          |
| General Examination  |  | Examined visually and with a measuring instrument.  |  | According to the drawing.  | X   | X                |          |
| ELECTRICAL CHARACTERISTICS   |  |   |  |  |   |                  |          |
| Contact Resistance   |  | Measured at DC 1A.  |  | 15 mΩ MAX.   | X   | X                |          |
| ENVIRONMENTAL CHARACTERISTICS  |  |   |  |  |   |                  |          |
| Resistance to soldering heat   |  | Solder temperature, +380±10°C, for immersion duration, <sup>+1</sup> <sub>5 0</sub> s.            |  | No deformation of case of excessive looseness of the terminals.        | X   | —                |          |
| Solderability  |  | Soldered at solder temperature, +350±10°C for immersion duration, 2 <sup>+1</sup> <sub>0</sub> s. |  | Solder surface to be free from pin-hole, no wetting and other defects. | X   | —                |          |
|  |  |   |  |  |   |                  |          |
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|  |  |   |  |  |   |                  |          |
|  | COUNT                                      | DESCRIPTION OF REVISIONS  |  | DESIGNED   |   | CHECKED          | DATE     |
|  |  |   |  |  |   |                  |          |
| <b>REMARK</b><br>Notes<br>(1)The applicable cable should satisfy both conditions ① and ②.<br>(2)Includes temperature rise due to current carrying.<br>Unless otherwise specified, refer to IEC 60512 (JIS C 5402). |  |   |  | APPROVED   | YH. YAMADA  |                  | 20200128 |
|  |  |   |  | CHECKED  | HN. TANAKA  |                  | 20200128 |
|  |  |   |  | DESIGNED   | SH. KOYAMA  |                  | 20200128 |
|  |  |   |  | DRAWN  | SH. KOYAMA  |                  | 20200128 |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test   |  |   |  | DRAWING NO.  |   | ELC-390467-00-00 |          |
|  | SPECIFICATION SHEET                        |   |  | PART NO.   |   | BH12-P1-213      |          |
|  | HIROSE ELECTRIC CO., LTD.                  |   |  | CODE NO.   |   | CL140-0017-0-00  | 1/1      |