| AP   | PLICA                           | BLE STAN                                  | DARD  |  |   |  |  |  |   |  |   |
|--|---------------------------------|---|---|--|---|--|--|--|---|--|---|
|  |                                 | OPERATING<br>TEMPERATURE RANGE<br>VOLTAGE |   | -40°C TO 85°C (NOTE 1) TEM   |   | TEMPERATU  | PERATURE RANGE   |  |   |  |   |
| RA   | TING                            |   |   |  |   |  |  |  |   |  | V(51)   |
|  |                                 | CURRENT                                   |   | SIGNAL CONTACT: 0.25   | δA  |  |  |  |   |  |   |
|  |                                 |   |   | POWER CONTACT: 5.0A  | (NOTE 2)  |  |  |  |   |  |   |
|  |                                 |   |   | SPECI  | FICAT   | ONS  |  |  |   |  |   |
|  |                                 |   |   | TEST METHOD  |   |  | REQUIREMENTS   |  |   |  | AT  |
|  | -                               |   |   |  |   |  |  |  |   |  |   |
|  |                                 |   |   |  |   |  | ACCORDING TO DRAWING.  |  |   |  |   |
|  |                                 |   |   |  |   |  |  |  |   | ~  |   |
|  | CONTACT RESISTANCE 20mV A       |   |   | C OR LESS 1kHz,1m A .  |   |  | Signal contact resistance: 100 m $\Omega$ MAX.   |  |   | X  | _   |
| INSL   | NSULATION 100V                  |   |   | DC.  |   |  |  |  |   |  |   |
| RESISTANCE   |                                 |   |   |  |   |  |  |  |   |  | -   |
| VOL  | OLTAGE PROOF 150V AC            |   |   | ; FOR 1 min.   |   |  | NO FLASHOVER OR BREAKDOWN.   |  |   |  | —   |
|  |                                 |   |   |  |   |  |  |  |   | T  |   |
| MECHANICAL<br>OPERATION                                  |                                 |   | 10TIMES INSERTIONS AND EXTRACTIONS.   |  |   |  | Power contact resistance: 15 m Ω MAX.<br>② NO DAMAGE, CRACK OR LOOSENESS   |  |   |  |   |
| VIBRATION  |                                 |   |   |  |   |  |  |  |   |  | _   |
|  |                                 |   | FREQUENCY 10 TO 55 TO 10 Hz APPROX 5min   |  |   |  |  |  |   |  |   |
|  | SINGLE                          |   |   | E AMPLITUDE 0.75 mm, 10CYCLES,   |   |  | ② NO DAMAGE, CRACK OR LOOSENESS OF X   |  |   |  |   |
| SHO  | SHOCK 490 m/s <sup>2</sup>      |   |   | <sup>2</sup> DURATION OF PULSE 11 ms AT 3 TIMES  |   |  |  |  |   |  |   |
|  |                                 |   |   |  |   |  | ② NO DAMAGE, CRACK OR LOOSENESS OF<br>PARTS.   |  |   |  | —   |
|  |                                 |   |   |  |   |  |  |  |   |  |   |
|  | RAPID CHANGE OF TEMPER          |   |   |  |   |  |  |  |   | v  |   |
| UN   |                                 |   | TIME $30 \rightarrow 30 \text{ min}$<br>UNDER 5 CYCLES.   |  |   |  | <ul> <li>② INSULATION RESISTANCE: 100MΩ MIN.</li> <li>③ NO DAMAGE, CRACK OR LOOSENESS</li> </ul>   |  |   |  | _   |
|  |                                 |   | (RELOCA   | RELOCATION TIME TO CHANBER : WITHIN 2-3 min)   |   |  |  |  |   |  |   |
| DAM  | IP HEAT                         |   | EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.   |  |   |  | 1 Signal contact resistance: 100 m $\Omega$ MAX.   |  |   |  |   |
|  |                                 |   |   |  |   |  | <ul> <li>Power contact resistance: 15 m Ω MAX.</li> <li>② INSULATION RESISTANCE: 50MΩ MIN.</li> <li>③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.</li> <li>① Signal contact resistance: 100 m Ω MAX. Power contact resistance: 15 m Ω MAX.</li> </ul>  |  |   |  | _   |
|  |                                 |   |   |  |   |  |  |  |   |  |   |
|  |                                 |   | EVDOOF  |  |   |  |  |  |   |  |   |
|  |                                 |   |   |  |   | U - J  |  |  |   |  | _   |
|  |                                 |   |   |  |   | -  | ② NO EVIDENCE OF CORROSION WHICH<br>AFFECTS TO OPERATION OF  |  |   |  |   |
|  |                                 |   |   |  |   |  | CONNECTOR.   |  |   |  |   |
|  |                                 |   |   |  |   |  |  |  |   |  |   |
|  |                                 |   |   |  |   |  |  |  |   |  |   |
|  |                                 |   |   |  |   |  |  |  |   |  |   |
|  |                                 |   |   |  |   |  |  |  |   |  |   |
|  | COUN                            | T DE                                      | SCRIPTI   | ON OF REVISIONS  | DE  | SIGNED   |  |  | CHECKED   | D  | ATE   |
| ∕₃   | 2                               |   | DIS-  | H-00000370   | NY.   | YAMASHIRO  |  |  | TS. MIYAZAKI  | 15.  | 04. 22  |
|  | -                               |   |   | RISING BY CURRENT  |   |  | APPRO\   | /ED  | KH. IKEDA   | -  | 02.15   |
| NOTE2: RATED CURRENT FOR POWER CONTACTS IS 4A/PIN IN CAS |                                 |   |   |  | E MAX 0.3A/PI   | N IS   |  |  | WR. FUKUCHI   | -  | 02.15   |
|  |                                 |   |   |  |   |  | DESIGNED   |  |   | -  | 02. 15<br>02. 15  |
| Note   | ote QT:Qualification Test AT:As |   |   | surance Test X:Applicable Test DI  |   | DRAWIN   |  |  | ELC-356935-51-01  |  |   |
|  |                                 |   |   | CATION SHEET PART  |   | DENO   | NO. BM2  |  | 24-30DP/2-0. 35V (51)   |  |   |
| H  |                                 | SE  | PECIFI  | CATION SHEET   | P/  | ART NO.  |  | DIVIZ  | 4-300P/2-0.35V (8   | ))   |   |
|  |                                 | RATING                                    | RATING OPERATING<br>TEMPERATUR<br>VOLTAGE<br>CURRENT<br>CONSTRUCTION<br>GENERAL EXAMINATION<br>MARKING<br>ELECTRIC CHARA<br>CONTACT RESISTANCE<br>INSULATION<br>RESISTANCE<br>VOLTAGE PROOF<br>MECHANICAL<br>OPERATION<br>VIBRATION<br>VIBRATION<br>SHOCK<br>ENVIRONMENTAL<br>RAPID CHANGE OF<br>TEMPERATURE<br>DAMP HEAT<br>(STEADY STATE)<br>SULPHUR DIIOXIDE | OPERATING<br>TEMPERATURE RANGE         RATING         ITEM         CURRENT         CONSTRUCTION<br>GENERAL EXAMINATION VISUALL<br>MARKING         CONSTRUCTION<br>GENERAL EXAMINATION VISUALL<br>MARKING         MOUNTACT RESISTANCE         CONTACT RESISTANCE         CONTACT RESISTANCE         VOLTAGE PROOF         150V AC         MECHANICAL CHARACTER<br>MECHANICAL         OPERATION         VIBRATION         FREQUE<br>SINGLE<br>FOR 3 D         SHOCK         A90 m/s <sup>2</sup><br>FOR 3 D         SULPHUR DIIOXIDE         EXPOSE<br>(RELOCA         DAMP HEAT<br>(STEADY STATE)         SULPHUR DIIOXIDE         SULPHUR DIIOXIDE         EXPOSE<br>(REFER         OUNT         DESCRIPTION         DESCRIPTION         DESCRIPTION | OPERATING<br>TEMPERATURE RANGE       -40°C T0 85°C (N01<br>30V AC/DC         VOLTAGE       30V AC/DC         CURRENT       SIGNAL CONTACT: 0.25<br>POWER CONTACT: 5.0A         SPECI       ITEM         TEST METHOD       SPECI         CONSTRUCTION       TEST METHOD         GENERAL EXAMINATION VISUALLY AND BY MEASURING IN<br>MARKING       CONFIRMED VISUALLY.         ELECTRIC CHARACTERISTICS       CONTACT RESISTANCE         CONTACT RESISTANCE       20mV AC OR LESS 1kHz,1m A.         INSULATION       100V DC.         RESISTANCE       20mV AC FOR 1 min.         WOLTAGE PROOF       150V AC FOR 1 min.         MECHANICAL       CONTACT RESISTANCE         VIBRATION       FREQUENCY 10 TO 55 TO 10 Hz,AF         SINGLE AMPLITUDE 0.75 mm,10CY       FOR 3 DIRECTIONS.         VIBRATION       FREQUENCY 10 TO 55 TO 10 Hz,AF         SINGLE AMPLITUDE 0.75 mm,10CY       FOR 3 DIRECTIONS.         SHOCK       490 m/s <sup>2</sup> DURATION OF PULSE 11 I         FOR 3 DIRECTIONS.       FOR 3 DIRECTIONS.         RAPID CHANGE OF       TEMPERATURE         RAPID CHANGE OF       TEMPERATURE         SULPHUR DIIOXIDE       EXPOSED AT 40 ± 2 °C, 90 TO 95         SULPHUR DIIOXIDE       EXPOSED IN 25 PPM FOR 96h,25°C         (REFER TO JIS C 60068)< | RATING       OPERATING       -40°C T0 85°C (NOTE 1)         RATING       VOLTAGE       30V AC/DC         URRENT       SIGNAL CONTACT: 0.25A         POWER CONTACT: 5.0A (NOTE 2)       SPECIFICATI         ITEM       TEST METHOD         CONSTRUCTION       GENERAL EXAMINATION       VISUALLY AND BY MEASURING INSTRUMENT         MARKING       CONFIRMED VISUALLY.         ELECTRIC CHARACTERISTICS       CONTACT RESISTANCE         CONTACT RESISTANCE       20mV AC OR LESS 1kHz, 1m A.         INSULATION       100V DC.         RESISTANCE       100V DC.         VOLTAGE PROOF       150V AC FOR 1 min.         MECHANICAL       CHARACTERISTICS         MECHANICAL       10TIMES INSERTIONS AND EXTRACTIONS.         OPERATION       FREQUENCY 10 TO 55 TO 10 Hz, APPROX 5mir         SINGLE AMPLITUDE 0.75 mm, 10CYCLES, FOR 3 DIRECTIONS.       SOM 30 min         OPERATION       FREQUENCY 10 TO 55 TO 10 Hz, APPROX 5mir         SINGLE AMPLITUDE 0.75 mm, 10CYCLES, FOR 3 DIRECTIONS.       SOM 30 min         VIBRATION       FREQUENCY 10 TO 55 TO 10 Hz, APPROX 5mir         SHOCK       490 m/s' DURATION OF PULSE 11 ms AT 3 TIM         FOR 3 DIRECTIONS.       ENVIRONMENTAL CHARACTERISTICS         RAPID CHANGE OF       TEMPERATURE -55 + 485°C | Image: Constraint of the present use is an analysis of the present of the present use is an analysis of the present use is an analysis of the present use is an analysis of the present of th | OPERATING<br>TEMPERATURE RANGE         -40°C T0 85°C (NOTE 1)         TORAGE<br>TEMPERATURE RANGE           NOLTAGE         30V AC/DC         CONNECTOR           CURRENT         SIGNAL CONTACT: 0.25A<br>POWER CONTACT: 5.04 (NOTE 2)         POWER CONTACT: 5.04 (NOTE 2)           SPECIFICATIONS         SPECIFICATIONS           GENERAL EXAMINATION VISUALLY AND BY MEASURING INSTRUMENT.<br>MARKING         CONFIRMED VISUALLY.           ELECTRIC CHARACTERISTICS         CONTACT RESISTANCE           CONTRMED VISUALLY.         Power contact resistance           INSULATION         100V DC.           RESISTANCE         200V AC COR LESS 1kHz,1m A.           VOLTAGE PROOF         150V AC FOR 1 min.           MCCHANICAL CHARACTERISTICS         MECHANICAL CHARACTERISTICS           MECHANICAL CHARACTERISTICS         () NO FLASHOVE           VIBRATION         FREQUENCY 10 TO 55 TO 10 HZ,APPROX 5min,<br>FOR 3 DIRECTIONS.         () NO ELECTRI           VIBRATION         FREQUENCY 10 TO 55 TO 10 HZ,APPROX 5min,<br>FOR 3 DIRECTIONS.         () NO ELECTRI           VIBRATION         FREQUENCY 10 TO 55 TO 10 HZ,APPROX 5min,<br>FOR 3 DIRECTIONS.         () NO DAMAGE<br>PARTS.           SHOCK         490 m/s' DURATION OF PLUSE 11 ms AT 3 TIMES         () NO DAMAGE<br>PARTS.           SHOCK         490 m/s' CLECTRI         () NO DAMAGE<br>PARTS.           DAMAGE OF<br>TEMPERATURE | PRATING         OPERATING RANGE         -40°C T0 85°C (NOTE 1)         STORAGE<br>APPLICABLE<br>CONNECTOR           VOLTAGE         30V AC/DC         CONNECTOR         APPLICABLE<br>CONNECTOR         APPLICABLE<br>CONNECTOR           URRENT         SIGNAL CONTACT: 0.25A<br>POWER CONTACT: 5.0A (NOTE 2)         SPECIFICATIONS           ITEM         TEST METHOD         REQUINCENTRUCTION           CONSTRUCTION         CONFIRMED VISUALLY AND BY MEASURING INSTRUMENT.<br>MARKING         ACCORDING TO DR<br>MARKING           CONTACT RESISTANCE         20mV AC OR LESS 1kHz,1m A.         Signal contact resista<br>Power contact resista<br>Power contact resista<br>NOC LASE PROOF         100 VD C.           INSULATION         100 VD C.         100MQ MIN.         100MQ MIN.           RESISTANCE         20mV AC OR LESS 1kHz,1m A.         NO FLASHOVER OR           MECHANICAL         101MES INSERTIONS AND EXTRACTIONS.         ① Signal contact resista<br>Power contact resista<br>NO DAMAGE, CR<br>POR'S DIRECTIONS.         ① NO ELECTRICAL 12.           VIBRATION         FREQUENCY 10 TO 55 TO 10 Hz, APPROX 5min,<br>SINOLE AMPLITUDE 0.75 mm, 10.0YCLES,<br>FOR 3 DIRECTIONS.         ① NO ELECTRICAL 12.         ② NO DAMAGE, CR<br>PARTS.           VIBRATION         FREQUENCY 10 TO 55 TO 10 BZ, APPROX 5min,<br>SINOLE AMPLITURE -55 -+ #85°C<br>TO SIGNAL CONTACT 10.         ① NO ELECTRICAL 12.         ③ NO DAMAGE, CR<br>PARTS.           SUPH CONSTAL         CHARECATION OF PULSE 11 ms AT 3 TIMES 13.         ③ N | OPERATING         OPERATING         -40°C T0 85°C (NOTE 1)         STORAGE         -10°C T0 60°           VOLTAGE         30V AC/DC         AC/DC         APPLICABLE         BI/24-3005/2-0.3           CURRENT         SIGNAL CONTACT: 0.25A         BI/24-3005/2-0.3         BI/24-3005/2-0.3           CURRENT         SIGNAL CONTACT: 0.25A         BI/24-3005/2-0.3           POWER CONTACT: 5.04 (NOTE 2)         SPECIFICATIONS           CONSTRUCTION         REQUIREMENTS           GENERAL EXAMINATION VISUALLY AND BY MEASURING INSTRUMENT.         ACCORDING TO DRAWING.           MARKING         CONFIRMED VISUALY.           ELECTRIC CHARACTERISTICS         Signal contact resistance: 100 m Q MAX.           CONTACT RESISTANCE         100V DC.           INSULATION         100V DC.           INSULATION         100V DC.           MECHANICAL CHARACTERISTICS           MECHANICAL CHARACTERISTICS           MECHANICAL CHARACTERISTICS           VIBRATION         FREQUENCY 10 TO 55 TO 10 Hz.APPROX 5min.           VIBRATION         FREQUENCY 10 TO 55 TO 10 Hz.APPROX 5min.           SINGLE AMPLITUDE 0.75 mm.10CYCLES.         OP AARTS.           OF PARTS.         2 NO DAMAGE, CRACK OR LOOSENESS OF PARTS.           SHOCK         430 m/a DURATION OF PULSE 11 ms AT 3 TIMES () NO ELECTRICAL DISCONTINUITY | OPERATING         OPERATING<br>TEMPERATURE RANGE         -10°C T0 60°C           APPLICABLE<br>CURRENT         SIGNAL CONTACT: 0.25A<br>POWER CONTACT: 5.0.400TE 2)         BM24-30DS/2-0.35V (5           CURRENT         SIGNAL CONTACT: 0.25A<br>POWER CONTACT: 5.0.400TE 2)         BM24-30DS/2-0.35V (5           CONSTRUCTION         SPECIFICATIONS         01           CONSTRUCTION         TEST METHOD         REQUIREMENTS         01           CONTACT RESISTANCE         200V AC OR LESS 1kHz,1m A         Signal contact resistance: 100 m Q MAX,<br>Power contact resistance: 15 m Q MAX.         X           VOLTAGE PROOF         150V AC OR LESS 1kHz,1m A         Signal contact resistance: 10 m Q MAX,<br>Power contact resistance: 15 m Q MAX.         X           VOLTAGE PROOF         150V AC OR LESS 1kHz,1m A         Signal contact resistance: 10 m Q MAX,<br>Power contact resistance: 10 m |