| Rating ITI CONSTRU General Exan | Operating Temperature F Voltage Current | Range 2 | • | | | perature | Range | -10 °C to 6 | 0°C | (2) |
|--|---|--|--|---|---------|--|--------------------------------|---|------------------------|------------|
| ITI CONSTRU | | | • | V AC | _ | | | | | |
| CONSTRU | Current | | | Signal Contact : 50 V AC Power Contact : 200 V AC | | orage Humidity Range | | Relative humidity 85 | % max | |
| CONSTRU | | | Signal Contact : 0.5 A | | | rating H | umidity Range | (Not dewed) | | |
| CONSTRU | | | Power Contact : 3 | | | | | | | |
| CONSTRU | - 1 1 1 1 1 1 1 1 1 1 | 1 | | IFICAT | IONS | • | DEOL | UDEMENTO | ТОТ | · I |
| | | | TEST METHOD | | | | REQU | IREMENTS | QT | Α |
| Jeneral Exam | | Vieuelly | nd by managing instrument | • | IA | \ ooordi | ng to drawin | ~ | Tv | T × |
| General Examination Marking | | Visually and by measuring instrument. Confirmed visually. | | | | ACCOIG | ng to drawing | g. | × | × |
| | CHARAC | | | | | | | | ^ | 1_^ |
| ELECTRIC CHARACT Contact Resistance | | 100 mA(DC or 1000Hz) | | | | Signal Contact : 70m Ω MAX. | | | × | Τ- |
| Insulation Resistance Voltage Proof | | Signal Contact : 100 V DC | | | | Power Contact : 20m Ω MAX. | | | | |
| | | Signal Contact : 100 V DC. Power Contact : 250 V DC | | | | Signal Contact : 100 M Ω MIN. Power Contact : 1000 M Ω MIN. | | | × | |
| | | Signal Contact : 150 V AC for 1 min. | | | | | | | | × |
| | | Power Contact : 600 V AC for 1 min. | | | | No flashover or breakdown. | | | | † <u>-</u> |
| MECHANI | CAL CHAR | ACTERI | STICS | | I | | | | 1 | - |
| nsertion and | | Measured | by applicable connector. | | lı | nsertio | n Force: | 9 N MAX. | × | T - |
| Withdrawal Forces | | | | | | Withdrawal Force: 1 N MIN. | | | | |
| Mechanical Operation | | 100 times insertions and extractions. | | | | Contact Resistance: Signal Contact: 80m Ω MAX. Power Contact: 30m Ω MAX. No damage, crack and looseness of parts. | | | × | _ |
| Vibration | | Frequency 10 to 55 to 10Hz, approx 5min | | | | | | continuity of 1 µs. | × | 1 - |
| | | Single amplitude : 0.75 mm, 10 cycles for 3 axial directions. | | | | 2) No (| damage, crad | ck and looseness of parts. | | |
| Shock | | 490 m/s ² , duration of pulse 11 ms at 3 times for 3 both axial directions. | | | | | | | × | - |
| ENVIRONI | MENTAL C | HARACT | ERISTICS | | l- | | | | 1 | |
| Damp Heat | | Exposed a | at 40±2°C, 90 ~ 95 % | , 96 h. | Ć | ① Con | tact Resistar | nce: | × | _ |
| (Steady state) | | | | | | | ignal Contact | | | |
| Rapid Change of Temperature | | Temperature -55 → +85 °C | | | | Power Contact : 30m Ω MAX. ② Insulation Resistance: | | | × | - |
| | | Time 30 → 30 min. under 5 cycles. (Relocation time to chamber : within 2~3 MIN) | | | | _ | ilation Resist ignal Contac | | | |
| | | | | | | | ower Contac | | | |
| | | | | | | ③ No damage, crack and looseness of parts. | | | | |
| Cold Dry Heat | | Exposed at -55°C, 96 h | | | | ① Contact Resistance: | | | | - |
| | | Exposed at 105°C, 96 h | | | | Signal Contact : 80m Ω MAX. Power Contact : 30m Ω MAX. ② No damage, crack and looseness of parts. | | | | |
| | | | | | C | | | | | - |
| Sulfur Dioxide | | Exposed at 25±2°C, 75±5%RH, 25 PPM for 96 h. (Test standard: IEC 68) | | | | No defect such as corrosion which impairs the function of connector. | | | | +_ |
| | | | | | J 11. | | | | | |
| | | ľ | , | | (2 | ② Con | tact Resistar | nce: | | |
| | | | | | | S | ignal Contact | | | |
| | | 1)5 (| | | | | ower Contac | | | |
| Resistance to Soldering Hea | | 1)Reflow soldering : Peak TMP : 260°CMAX | | | | No deformation of case of excessive looseness of the terminal. | | | × | - |
| Join Ching File | uı | Reflow TMP: 220°CMIN for 60sec | | | | looseness of the terminal. | | | | |
| | | | ng irons : 360°C MAX. for 5 | sec. | | | | | | |
| Solderability | | Soldered at solder temperature | | | A | new i | uniform coati | ng of solder shall cover a | × | <u> </u> |
| | | 240±3°C for immersion duration, 3 sec. | | | n | minimum of 95 % of the surface being immersed. | | | | |
| COUN | T D | ESCRIPTIO | ON OF REVISIONS | ı | DESIGN | NED | | CHECKED | DA | TE |
| 2 2 | | DIS- | -00002062 | | TS. 00N | ONO | | HT. YAMAGUCHI | 17. 02. 0 | |
| REMARKS (1) Include tempe | | ature rise caused by current-carrying. | | | | | APPROVED | HS. OKAWA | 14.0 | |
| (2 | ²⁾ "STORAGE" m | eans a long-te | ans a long-term storage state for the unused product | | | CHECKED DESIGNED | | KN. SHIBUYA | 14. 07. 1 14. 07. 1 | |
| | before assemb | iy το PCB. | | | | | | TS. 00N0 | | |
| Unless otherwise specified, refer | | | refer to IEC 60512. | | | ŀ | DRAWN | TS. 00N0 | 14. 0 | |
| Unless other | | | | | DD | DRAWING NO. ELC-353544-(| | | | |
| | SDECIFICATION SHEET PAR | | | | | EV00 00B 0 50V0 | | U-U(| J | |
| | | DECIE | CATION SHEET | | PART I | NO | ı | - - - - - - - - - - - - - - - - - - - | | |