

## STANDARD DATA G TYPE

|                                   |  | VALUE  |                    |                               |                    |
|-----------------------------------|--|--|--------------------|-------------------------------|--------------------|
| <b>GENERAL CHARACTERISTICS</b>    | Number of contacts                           | 3  | 4                  | 5                             | 6                  |
|                                   | Termination                                  | Printed Circuit Board (PCB) or Solder Bucket |                    |                               |                    |
|                                   | Flammability                                 | UL94V-0                                      |                    |                               |                    |
|                                   | Environmental                                | Complies with EU RoHS 2 Directive 2011/65/EU |                    |                               |                    |
| <b>ELECTRICAL CHARACTERISTICS</b> | Service Voltage RMS <sup>1)</sup>            | 1000V  | 1000V              | 1000V                         | 250V               |
|                                   | Test Voltage AC RMS                          | 125V AC                                      |                    |                               |                    |
|                                   | Current carrying capacity                    | 5A   | 5A                 | 4A                            | 1.2A               |
|                                   | Typical Contact Resistance                   | ≤10mΩ  |                    |                               |                    |
|                                   | Insulation Resistance (initial)              | ≥510MΩ                                       |                    |                               |                    |
|                                   | Insulation Resistance (After damp heat test) | ≥10MΩ  |                    |                               |                    |
| <b>CLIMATIC CHARACTERISTICS</b>   | Protection Class                             | IP00   |                    |                               |                    |
|                                   | Operating Temperature                        | -30 °C to +80 °C (-20F - +176F)              |                    |                               |                    |
| <b>MECHANICAL CHARACTERISTICS</b> | Weight **                                    | 13.5g<br>(0.029lb)                           |                    |                               |                    |
|                                   | Insertion Spring Separating Force            | ≥20N   |                    |                               |                    |
|                                   | Mechanical Operations                        | 5000 mating cycles                           | 5000 mating cycles | 5000 mating cycles            | 2000 mating cycles |
|                                   | Cable O.D. range                             | 2mm to 3.5mm (0.078" to 0.137")              |                    | 3mm to 5mm (0.118" to 0.196") |                    |
| <b>MATERIALS</b>                  | Connector Shell                              | Bronze & Zinc                                |                    |                               |                    |
|                                   | Shell Finish                                 | Nickel Plated                                |                    |                               |                    |
|                                   | Insulators                                   | PPS - Black                                  |                    |                               |                    |
|                                   | Male Contact - Material                      | Brass C3604                                  |                    |                               |                    |
|                                   | - Plating                                    | Gold over Silver plated                      |                    |                               |                    |
|                                   | Female Contact - Material                    | Brass C5210P                                 |                    |                               |                    |
|                                   | - Plating                                    | Gold over Silver plated                      |                    |                               |                    |
|                                   | Latch Lock and Spring                        | SUS (AISI - 301) - Nickel Plated             |                    |                               |                    |
|                                   | Adaptor                                      | PPS - Black                                  |                    |                               |                    |
|                                   | Cable Clamp                                  | Bronze - Nickel Plated                       |                    |                               |                    |
| Boot/Backshell                    | ABS - Black                                  |  |                    |                               |                    |
| Grommet                           | PU - Black                                   |  |                    |                               |                    |

\*\*Approximate weight in grams not include packaging. Please contact us for exact weight for shipping purposes.