Base Product

SL-Series Modular Jack, RJ45, Cat6 Unshielded

Product Classification

Regional Availability
- Asia
- Australia/New Zealand
- EMEA
- Latin America

Portfolio
NETCONNECT®

Product Type
Modular jack

Product Series
SL Series

General Specifications

ANSI/TIA Category
- Category 6

Cable Type
- Unshielded

Conductor Type
- Solid
- Stranded

Mounting
- SL Series faceplates and panels

Outlet Feature
- Inverted jack face

Outlet Type
- Standard

Termination Punchdowns, minimum
- 200 times

Termination Tool
- SL Termination tool

Termination Type
- IDC

Transmission Standards
- ANSI/TIA-568.2-D
- ISO/IEC 11801 Class E

Wiring
- T568A
- T568B

Dimensions

Panel Cutout, recommended
- 14.78 x 20.07 mm (0.58 x 0.79 in)

Panel Thickness, recommended
- 1.6 mm
- 0.063 in

Height
- 16.13 mm
- 0.635 in

Width
- 14.48 mm
- 0.57 in

Depth
- 30.48 mm
- 1.2 in

Compatible Cable Diameter, maximum
- 5.8 mm
- 0.228 in

Compatible Insulated Conductor Diameter, maximum
- 1.45 mm
- 0.057 in
<table>
<thead>
<tr>
<th><strong>Contact Plating Thickness</strong></th>
<th>1.27 µm</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Compatible Conductor Gauge, solid</strong></td>
<td>24–22 AWG</td>
</tr>
<tr>
<td><strong>Compatible Conductor Gauge, stranded</strong></td>
<td>26–24 AWG</td>
</tr>
</tbody>
</table>

### Electrical Specifications

| **Contact Resistance Variation, maximum** | 20 mOhm |
| **Contact Resistance, maximum** | 100 mOhm |
| **Current Rating at Temperature** | 1.5 A @ 20 °C | 1.5 A @ 68 °F |
| **Dielectric Withstand Voltage, RMS, conductive surface** | 1,500 Vac @ 60 Hz |
| **Dielectric Withstand Voltage, RMS, contact-to-contact** | 1,000 Vac @ 60 Hz |
| **Insulation Resistance, minimum** | 500 mOhm |

#### Remote Powering

- Fully supports the safe delivery of power over LAN cabling described by IEEE 802.3bt (Type 4) and complies with the unmating under electrical load requirements prescribed by IEC 60512-99-002
- Supports IEEE 802.3bt Type 4 (90 W) applications after 3000 plug to jack mating cycles

#### Safety Voltage Rating

- 150 Vac

### Material Specifications

| **Contact Base Material** | Beryllium copper |
| **Contact Plating Material** | Gold |
| **Material Type** | Polycarbonate |
| **Termination Contact Plating** | Tin |

### Mechanical Specifications

| **Plug Retention Force, minimum** | 50 N | 11.24 lbf |
| **Plug to Jack Mating Cycles** | Complies to IEC 60603-7 series |

### Environmental Specifications

| **Operating Temperature** | -10 °C to +60 °C (+14 °F to +140 °F) |
| **Flammability Rating** | UL 94 V-0 |
| **Safety Standard** | UL | cUL |