



SL-Series Modular Jack, RJ45, Cat6 Unshielded, with Dust Cover, Black

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          | 6                                                                                                      |
| Cable Type                 | Unshielded                                                                                             |
| Color                      | Black                                                                                                  |
| Conductor Type             | Solid   Stranded                                                                                       |
| Integrated Dust Cover Type | Hinged                                                                                                 |
| Mounting                   | SL Series faceplates and panels                                                                        |
| Termination Punchdowns     | Minimum 20 times according to IEC 605352-4   Minimum 200 times when using the same conductor wire size |
| Termination Tool           | 110 Punchdown tool   JTT Termination tool                                                              |
| Termination Type           | IDC                                                                                                    |
| Transmission Standards     | ANSI/TIA-568.2-D   ISO/IEC 11801 Class E                                                               |
| Wiring                     | T568A   T568B                                                                                          |

Dimensions

|        |                     |
|--------|---------------------|
| Height | 16.13 mm   0.635 in |
| Width  | 14.48 mm   0.57 in  |

|                                                  |                     |
|--------------------------------------------------|---------------------|
| Depth                                            | 32.43 mm   1.277 in |
| Compatible Cable Diameter, maximum               | 5.8 mm   0.228 in   |
| Compatible Insulated Conductor Diameter, maximum | 1.45 mm   0.057 in  |
| Contact Plating Thickness                        | 1.27 µm             |
| Compatible Conductor Gauge, solid                | 22–24 AWG           |
| Compatible Conductor Gauge, stranded             | 24–26 AWG           |

## Electrical Specifications

|                                                       |                                                                                                                                                                                                |
|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Contact Resistance, maximum                           | 20 mOhm                                                                                                                                                                                        |
| Current Rating at Temperature                         | 1.5 A @ 20 °C   1.5 A @ 68 °F                                                                                                                                                                  |
| 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 |
| PoE Durability                                        | Supports IEEE 802.3bt Type 4 (90 W) applications greater than 3000 plug to jack mating cycles                                                                                                  |
| Safety Voltage Rating                                 | 150 Vac                                                                                                                                                                                        |

## Material Specifications

|                             |                  |
|-----------------------------|------------------|
| Contact Base Material       | Beryllium copper |
| Contact Plating Material    | Gold             |
| IDC Termination Material    | Phosphor Bronze  |
| Material Type               | PC+ABS           |
| Termination Contact Plating | Tin              |

## Mechanical Specifications

|                            |                                |
|----------------------------|--------------------------------|
| 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) |
| Storage Temperature   | -40 °C to +70 °C (-40 °F to +158 °F) |
| Relative Humidity     | Up to 95%, non-condensing            |
| Flammability Rating   | UL 94 V-0                            |
| Safety Standard       | cULus                                |

## Packaging and Weights

|                    |     |
|--------------------|-----|
| Packaging quantity | 1   |
| Packaging Type     | Bag |

## Regulatory Compliance/Certifications

| Agency     | Classification                                                                                                                 |
|------------|--------------------------------------------------------------------------------------------------------------------------------|
| CHINA-ROHS | Below maximum concentration value                                                                                              |
| REACH-SVHC | Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a> |
| ROHS       | Compliant                                                                                                                      |
| UK-ROHS    | Compliant                                                                                                                      |

