



## SL-Series Modular Jack, RJ45, Cat6 Unshielded, 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**

None

**Mounting**

SL Series faceplates and panels

**Mounting Note**

Color matches with SL-style Black Faceplates and Surface Mount Boxes

**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**

16.26 mm | 0.64 in

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<b>Width</b>	14.48 mm   0.57 in
<b>Depth</b>	30.48 mm   1.2 in
<b>Compatible Insulated Conductor Diameter, maximum</b>	1.45 mm   0.057 in
<b>Contact Plating Thickness</b>	1.27 $\mu$ m
<b>Compatible Conductor Gauge, solid</b>	24–22 AWG
<b>Compatible Conductor Gauge, stranded</b>	26–24 AWG

## Electrical Specifications

<b>Contact Resistance Variation, maximum</b>	20 mOhm
<b>Contact Resistance, maximum</b>	100 mOhm
<b>Current Rating at Temperature</b>	1.5 A @ 20 °C   1.5 A @ 68 °F
<b>Dielectric Withstand Voltage, RMS, conductive surface</b>	1,500 Vac @ 60 Hz
<b>Dielectric Withstand Voltage, RMS, contact-to-contact</b>	1,000 Vac @ 60 Hz
<b>Insulation Resistance, minimum</b>	500 mOhm
<b>Remote Powering</b>	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
<b>PoE Durability</b>	Supports IEEE 802.3bt Type 4 (90 W) applications after 3000 plug to jack mating cycles
<b>Safety Voltage Rating</b>	150 Vac

## Material Specifications

<b>Contact Base Material</b>	Beryllium copper
<b>Contact Plating Material</b>	Gold
<b>Material Type</b>	Polycarbonate
<b>Termination Contact Plating</b>	Tin

## Mechanical Specifications

<b>Plug Retention Force, minimum</b>	50 N   11.24 lbf
<b>Plug to Jack Mating Cycles</b>	Complies to IEC 60603-7 series

## Environmental Specifications

<b>Operating Temperature</b>	-10 °C to +60 °C (+14 °F to +140 °F)
<b>Storage Temperature</b>	-40 °C to +70 °C (-40 °F to +158 °F)

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**Flammability Rating**

UL 94 V-0

**Safety Standard**

UL | cUL

## Packaging and Weights

**Included**

Strain relief cap

**Packaging quantity**

1

**Packaging Type**

Bag

## Regulatory Compliance/Certifications

### Agency

### Classification

CHINA-ROHS

Below maximum concentration value

RCM

Compliant to electrical safety & telecommunications requirements

REACH-SVHC

Compliant as per SVHC revision on [www.commscope.com/ProductCompliance](http://www.commscope.com/ProductCompliance)

ROHS

Compliant

UK-ROHS

Compliant

