SL-Series Modular Jack, RJ45, Cat6 Unshielded, Violet

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
- Violet

Conductor Type
- Solid
- Stranded

Integrated Dust Cover Type
- None

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 58 mm  |  2.283 in
Compatible Insulated Conductor Diameter, maximum 1.45 mm  |  0.057 in
Contact Plating Thickness 1.27 µm
Compatible Conductor Gauge, solid 24–22 AWG
Compatible Conductor Gauge, stranded 26–24 AWG

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
PoE Durability
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)
Storage Temperature
-40 °C to +70 °C (-40 °F to +158 °F)

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
ROHS | Compliant
UK-ROHS | Compliant