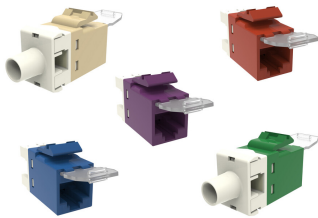


Base Product



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

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
Conductor Type	Solid   Stranded
Integrated Dust Cover Type	Hinged
Mounting	SL Series faceplates and panels
Outlet Type	Standard
Termination Punchdowns, minimum	20 times
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

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	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 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, 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 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)
Relative Humidity	Up to 95%, non-condensing
Flammability Rating	UL 94 V-0

