SL-Series Modular Jack, RJ45, Cat6A Shielded, ProWhite

Product Classification

Regional Availability	Asia	Australia/New Zealand	EMEA	Latin America
Portfolio	NETCONNECT®
Product Type	Modular jack
Product Series	SLX Series

General Specifications

ANSI/TIA Category	6A
Cable Type	Shielded
Color	Pro white
Conductor Type	Solid	Stranded
Integrated Dust Cover Type	None
Mounting	SL Series faceplates and panels
Termination Tool	JTT Termination tool
Termination Type	IDC
Transmission Standards	ANSI/TIA-568.2-D	ISO/IEC 11801 Class EA
Wiring	T568A	T568B

Dimensions

Height	16.13 mm	0.635 in
Width	14.44 mm	0.569 in
Depth	36.8 mm	1.449 in
Compatible Cable Diameter, maximum	8.5 mm	0.335 in

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Compatible Insulated Conductor Diameter, maximum	1.6 mm	0.063 in
Contact Plating Thickness	1.27 µm
Compatible Conductor Gauge, solid	22–26 AWG
Compatible Conductor Gauge, stranded	22–26 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, 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 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	Zamak	PC+ABS
Termination Contact Plating	Tin

Mechanical Specifications

Plug Retention Force, minimum	50 N	11.24 lbf

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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
RCM	Compliant to electrical safety & telecommunications requirements
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant

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