



## PowerSUM M-Series Modular Jack, RJ45, Cat5e Unshielded, Blue

- Meets or exceeds the Category 5 and Category 5e requirements in ISO/IEC 11801 (2002), EN50173-1 (2002) and ANSI/TIA-568-C.2
- Patented crossing of straddling pair contacts enables efficient alien crosstalk reduction in the channel
- Snaps into standard M-series faceplates, surface-mount boxes, consolidation point boxes and modular panels
- Mountable either at 90 degrees (straight) or 45 degrees (angled) in M-series faceplate
- Universal design and label supports both T568 A & B wiring
- IDC connector terminations on rear of base allow quick and easy installation of 22 to 24 AWG cable
- Low-profile rear protective strain relief cap, protects against contamination and secures the connection

## Product Classification

<b>Regional Availability</b>	Asia   Australia/New Zealand   EMEA   Latin America   North America
<b>Portfolio</b>	SYSTIMAX®
<b>Product Type</b>	Modular jack
<b>Product Brand</b>	PowerSUM
<b>Product Series</b>	MPS100E

## General Specifications

<b>ANSI/TIA Category</b>	5e
<b>Cable Type</b>	Unshielded
<b>Color</b>	Blue
<b>Conductor Type</b>	Solid   Stranded
<b>Integrated Dust Cover Type</b>	None
<b>Termination Type</b>	IDC
<b>Wiring</b>	T568A   T568B

## Dimensions

<b>Height</b>	19.4 mm   0.764 in
<b>Width</b>	21.08 mm   0.83 in
<b>Depth</b>	30.2 mm   1.189 in

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**Compatible Conductor Gauge, solid** 22 AWG | 24 AWG

**Compatible Conductor Gauge, stranded** 22 AWG | 24 AWG

## Electrical Specifications

**Contact Resistance Variation, maximum** 20 mOhm

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**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

## Material Specifications

**Contact Plating Material** Precious metals

**Material Type** Copper alloy | High-impact, flame retardant, thermoplastic

**Termination Contact Plating** Nickel

## Mechanical Specifications

**Plug Retention Force, minimum** 133 N | 29.9 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

**Safety Standard** UL | cUL

## Packaging and Weights

**Packaging Material** Standard

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**Packaging quantity** 1  
**Packaging Type** Bag