



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

- Modified outlet termination scheme to match other Systimax outlets and to align with the MGS400 and the MGS600 outlets

**This product will be discontinued on: November 30, 2024**

**Replaced By:**

760258932  
MPS100-BL

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

## Product Classification

**Regional Availability**

Asia | Australia/New Zealand | EMEA | Latin America | North America

**Portfolio**

SYSTIMAX®

**Product Type**

Modular jack

**Product Brand**

PowerSUM

**Product Series**

MPS100E

## General Specifications

**ANSI/TIA Category**

5e

**Cable Type**

Unshielded

**Color**

Blue

**Conductor Type**

Solid | Stranded

**Integrated Dust Cover Type**

None

**Termination Type**

IDC

**Wiring**

T568A | T568B

## Dimensions

**Height**

20.32 mm | 0.8 in

**Width**

20.32 mm | 0.8 in

**Depth**

30.48 mm | 1.2 in

**Compatible Conductor Gauge, solid**

22 AWG | 24 AWG

**Compatible Conductor Gauge, stranded**

22 AWG | 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

## Material Specifications

<b>Contact Plating Material</b>	Precious metals
<b>Material Type</b>	Copper alloy   High-impact, flame retardant, thermoplastic
<b>Termination Contact Plating</b>	Nickel

## Mechanical Specifications

<b>Plug Insertion Life, test plug</b>	IEC 60603-7 compliant plug
<b>Plug Retention Force, minimum</b>	133 N   29.9 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)
<b>Relative Humidity</b>	Up to 95%, non-condensing
<b>Flammability Rating</b>	UL 94 V-0
<b>Safety Standard</b>	UL   cUL

## Packaging and Weights

<b>Packaging quantity</b>	1
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## Regulatory Compliance/Certifications

**Agency**

**Classification**

CHINA-ROHS

Below maximum concentration value

ISO 9001:2015

Designed, manufactured and/or distributed under this quality management system

REACH-SVHC

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

ROHS

Compliant

UK-ROHS

Compliant

