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

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

### Product Classification

<table>
<thead>
<tr>
<th>Regional Availability</th>
<th>Asia</th>
<th>Australia/New Zealand</th>
<th>EMEA</th>
<th>Latin America</th>
<th>North America</th>
</tr>
</thead>
</table>

**Portfolio**  
SYSTIMAX®

**Product Type**  
Modular jack

**Product Brand**  
PowerSUM

**Product Series**  
MPS100E

### General Specifications

- **ANSI/TIA Category**: 5e
- **Cable Type**: Unshielded
- **Color**: Orange
- **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

- **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

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

Remote Powering supports IEEE 802.3bt Type 4 (90 W) applications after 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 Insertion Life, test plug: IEC 60603-7 compliant plug
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 quantity: 1

Regulatory Compliance/Certifications

Agency: CHINA-ROHS
Classification: Below maximum concentration value

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

Agency: REACH-SVHC
Classification: Compliant as per SVHC revision on www.commscope.com/ProductCompliance

Agency: ROHS
Classification: Compliant
UK-ROHS Compliant