



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

- 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

Regional Availability

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

Portfolio

SYSTEMAX®

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

19.4 mm | 0.764 in

Width

21.08 mm | 0.83 in

Depth

30.2 mm | 1.189 in

760258925 | MPS100-OR

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 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

760258925 | MPS100-OR

Packaging quantity

1

Packaging Type

Bag