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

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

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
- Black

Conductor Type
- Solid | Stranded

Integrated Dust Cover Type
- None

Mounting Note
- Color matches with M-series Black Faceplates and Surface Mount Boxes

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
- 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
- Supports IEEE 802.3bt Type 4 (90 W) applications after 3000 plug to jack mating cycles

PoE Durability

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
- ISO 9001:2015
- REACH-SVHC
- ROHS

Classification
- Designed, manufactured and/or distributed under this quality management system
- Compliant as per SVHC revision on www.commscope.com/ProductCompliance
- Compliant