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
Yellow

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:
- Fully supports the safe delivery of power over LAN cabling described by IEEE 802.3bt (Type 4) and complies with the unmatting 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:
- 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 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
  - ROHS: Compliant