

MPS100E Modular PowerSUM Information Outlets



The MPS100E Modular Information Outlets are 8-position/8-conductor high-density modular information jacks designed for high speed networking applications using data transmission rates.

Features and Benefits:

- Snaps into any M-Series modular faceplate, frame, or surface-mount box
- Can be mounted either at 90 degrees (straight) or 45 degrees (angled)
- Angled feature eliminates the need for special faceplates
- Multicolored identification labels assure fast, accurate installation
- Low-profile wire cap protects against contamination and secures connections
- Pair splitters and wider channel for enhanced conductor placement and termination
- The MPS100E outlet uses either the TIA/EIA T568A or TIA/EIA T568B wiring
- The MPS100E outlet is Category 5e compliant

Physical Specifications:

Dimensions: HxWxD: 0.8 in x 0.8 in x 1.2 in (2.0 cm x 2.0 cm x 3.1 cm)
Universal A/B labeling

Plastic Material: High-impact, flame retardant, thermoplastic

Flammability Rating: UL-rated 94 V-0

Operating Temperature: 14°F to 140°F (-10°C to 60°C)

Storage Temperature: -40°F to 158°F (-40°C to 70°C)

Humidity: 95% (non-condensing)

Contact Material & Plating: Copper alloy, 100 micro-inch (2.54 microns) bright solder over 100 micro-inch (2.54 microns) nickel underplate. Insulation displacement connectors accept solid or stranded wire

Nominal Solid Conductor Diameter: 0.016 in to 0.025 in
(0.40 mm to 0.64 mm) (26 to 22 AWG)

Nominal Stranded Conductor Diameter: 0.020 in to 0.025 in
(0.51 mm to 0.64 mm) (24 to 22 AWG)

Insulation Size: 0.030 in to 0.046 in (0.76 mm to 1.17 mm)

Insulation Type: All plastics insulates, including:

Polyethylene, Polypropylene, PTFE, Polyurethane, Nylon and FEP

Outlet Wires: Copper alloy, 50 micro-inch (1.27 microns) hard gold plating over 100 micro-inch (2.54 microns) nickel underplate

Plug Retention Force: 30 lbs (133 N) minimum between modular plug and jack

Plug Insertion Life: 750 minimum insertions of an 8-position IEC 60603-7 compliant plug

Plug/Jack Contact Force: 100 grams minimum per contact using FCC approved plug

Electrical Specifications:

Insulation Resistance: 500 megaohms minimum

Current Rating: 1.5 A at 68°F (20°C)

TIA/EIA Category: 5e

Dielectric Withstand Voltage: 1,000 VAC RMS, 60 Hz minimum, contact-to-contact and 1,500 VAC RMS, 60 Hz minimum to exposed conductive surface

UL and cUL Listed

| Product Number | Wiring | Color | Qty/Pkg | Material ID |
|----------------|--------------|------------------|---------|-------------|
| MPS100E-003 | T568A, T568B | Black | 1 | 108232695 |
| MPS100E-112 | T568A, T568B | Orange | 1 | 108232703 |
| MPS100E-123 | T568A, T568B | Yellow | 1 | 108232711 |
| MPS100E-226 | T568A, T568B | Green | 1 | 108232729 |
| MPS100E-246 | T568A, T568B | Electrical Ivory | 1 | 108232737 |
| MPS100E-262 | T568A, T568B | Electrical White | 1 | 108232745 |
| MPS100E-270 | T568A, T568B | Electrical Gray | 1 | 108232752 |
| MPS100E-317 | T568A, T568B | Red | 1 | 108232760 |
| MPS100E-318 | T568A, T568B | Blue | 1 | 108232778 |
| MPS100E-361 | T568A, T568B | Violet | 1 | 108337726 |

