KJ-Series Modular Jack, RJ45, Cat6 Unshielded

Product Classification

Regional Availability
- Asia | Australia/New Zealand | EMEA | Latin America

Portfolio
NETCONNECT®

Product Type
Modular jack

Product Series
KJ Series

General Specifications

ANSI/TIA Category
6

Cable Type
Unshielded

Conductor Type
Solid | Stranded

Mounting
Hubbell® faceplates | Leviton® faceplates | Panduit® faceplates

Outlet Type
Keystone

Termination Tool
110 Punchdown tool | SL Termination tool

Termination Type
IDC

Transmission Standards
ANSI/TIA-568-C.2 | ISO/IEC 11801 Class E

Wiring
T568A | T568B

Dimensions

Panel Cutout, recommended
14.79 x 19.31 mm (0.58 x 0.76 in)

Panel Thickness, recommended
1.6 mm | 0.063 in

Height
16.13 mm | 0.635 in

Width
16.48 mm | 0.649 in

Depth
30.48 mm | 1.2 in

Compatible Insulated Conductor Diameter, maximum
1.27 mm | 0.05 in

Contact Plating Thickness
1.27 µm

Compatible Conductor Gauge, solid
24–22 AWG

Compatible Conductor Gauge, stranded
26–24 AWG
### Electrical Specifications

**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 after 3000 plug to jack mating cycles.

### Material Specifications

- **Contact Base Material**: Beryllium copper
- **Contact Plating Material**: Gold
- **Material Type**: Polycarbonate

### Mechanical Specifications

- **Plug to Jack Mating Cycles**: Complies to IEC 60603-7 series

### Environmental Specifications

- **Flammability Rating**: UL 94 V-0