molex

PowerCat 6 Tool-less shielded Keystone Jack ❯

The PowerCat 6 Shielded Tool-less Keystone Jack is in addition to the PowerCat 6 STP product line designed for installation in Structured Cabling Systems requiring Keystone size apertures for wall outlet installations. The jack is terminated without the use of a Punch Down Tool.

The jack is designed for use in a two-connector permanent link or channel configuration so the standard Molex C6 Shielded DataGate panels are installed in the Distribution closet and C6 Keystone Jacks are installed in the Telecommunication/Wall Outlets. The jack does not feature a dust shutter. This product provides excellent protection against electromagnetic interference protection due to its fully shielded 360° construction.

FEATURES AND ADVANTAGES

360° shielding for EMI protection

Easy and fast termination process

Ability to attach the cable in either 568A or 568B wiring.

Compatible with Molex C6 DataGate jacks in a two connector permanent link or channel configuration

RoHS Compliant

SPECIFICATIONS

Commerical Standards

TIA/EIA-568-C.2:2009,
EN 50173- 1:2011, Class E,
ISO/IEC 11801:2010 (Ed 2.2) Class E, FCC Subpart F68.5

Technical Information Mechanical Characteristics

Width [mm]: 17
Height [mm]: 19.3
Depth [mm]: 42.4
Weight [g]: 40
Material: Zinc Alloy plated Bright Ni/Cu

Connector

Housing: Zinc Alloy plated Bright Ni/Cu
Operating Life:
Minimum 750 insertion cycles
Contact Material: Copper Alloy
Contact Plating: 1.25 micrometers Au/Ni
Contact Force: 100g minimum
Plug Retention Force: 6.8kg minimum

IDC Connector

Housing: Polycarbonate, UL94V-0 rated
Operating Life:
Minimum 20 reterminations
Contact Material: Copper Alloy

IDC Contact Plating: Tin Matte Finish
Contact Force: 100g minimum
Wire Accommodation: 22-24 AWG solid

Electrical/Optical Characteristics

Interface Resistance: 20mΩ
Initial Contact Resistance: 2.5mΩ
Insulation Resistance: >100MΩ

www.molexces.com/products/copper/cat6

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SPECIFICATIONS (CONT.)

PoE

Our PowerCat 6 system is suitable for PoE applications as defined below:
IEEE 802.3bt from Type 1 to Type 4, and CISCO UPoE+

Notes:
For new installations of PoE Type 3 / Class 5 and above that wish to be eligible for the Molex 25 year Application Assurance Warranty, we require Category 6A cable to be used throughout.
To confirm your PoE / RP3 cabling design is eligible for the Molex 25 year Application Assurance Warranty, your design must be verified and validated with the Molex PoE Calculator. Read more
https://www.molexces.com/poe-calculator

Molex recommends that the PoE feature on an individual switch port are power disabled prior to unplugging the associated powered Device.
Molex recommends that the full range of PowerCat 6 products be used in a system to maximize cabling and PoE performance Details on Molex requirements for Warranty can be found at
https://www.molexces.com/about-us/our-warranty/

ORDERING INFORMATION

Order No.	SAP No.	Description
KSJ-00078	Consult Molex	PowerCat 6 Tool-less shielded Keystone Jack, RJ45, 360°, 568A/B

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