FEATURES AND SPECIFICATIONS



PowerCat C5e **Keystone Jack**

Features and Benefits

The PowerCat C5e RJ45 Keystone Jack has been designed to be compatible with any products that accept the standard keystone profile. Suitable for high-speed data transmission, the PowerCat C5e Keystone Jack has been designed to comply with the requirements of TIA/EIA 568B.2, ISO/IEC 11801:2002, EN50173:2002 standards.

Standard Keystone profile

- Dual colour coding allows 568A/B wiring configuration
- RJ11 compatible

Compliant With

TIA/EIA-568-B.2-1, FCC Subpart F 68.5, ISO 60603-7, ISO 11801:2002, EN 50173:2002

Approvals

UL-1863 (Pending) CSA (Pending)

Technical Information

Mechanical Characteristics

Jack Connector Plastic Housing:

Operating Life: Contact Material: **Contact Plating:** Contact Force: Plug Retention Force: Polycarbonate, UL94V-0 rated or equivalent Minimum 750 insertion cycles **Copper Alloy** 1.25 micrometres Au/Ni 100g minimum 5kg.

IDC Connector Polycarbonate, UL94V-0 **Plastic Housing:** rated or equivalent **Operating Life:** Minimum 20 reterminations Contact Material: Copper Alloy **IDC Contact Plating:** Tin/Lead Plate **Contact Force:**

Electrical Characteristics

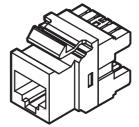
Wire Accommodation:

Termination Tool: 110

Interface Resistance: Initial Contact Resistance: Insulation Resistance:

100g minimum 22-24 AWG solid $20 \text{m}\Omega$ $2.5 \text{m}\Omega$

>100MΩ



Keystone Jack Dimensions: 23mm x 18mm x 30.6mm Shipping Weight: 28g.

Keystone Jack C5e Performance (dB) Summary @ 100 MHz			
	Cat5E Spec.	Worst Case* Value	Worst Case Margin
Insertion Loss	-0.4	>-0.05	>0.3
NEXT	-43.0	-48.1	5.1
FEXT	-35.1	-45.1	10.0
Return Loss	-20.0	-35.8	15.8

* = Worst value of all 4 pairs or pair combinations

Order No.	Description
KSJ-00032-**	Keystone Jack Category 5e 8W 568A/B

European

Headquarters

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www.molexpn.co.uk

Insert colour code in place of ** in part number when ordering DataGate Plus jack or accessories:

10 = Almond, 02 = White, 04 = Black, 05 = Ivory, 08 = Light Grey, RD = Red, BL = Blue, GR = Green, YL = Yellow, RG = Orange, PP = Purple

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