molex®

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

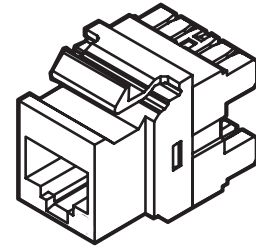|	
Plastic Housing:	Polycarbonate, UL94V-0 rated or equivalent
Operating Life:	Minimum 750 insertion cycles
Contact Material:	Copper Alloy
Contact Plating:	1.25 micrometres Au/Ni
Contact Force:	100g minimum
Plug Retention Force:	5kg.

IDC Connector

Plastic Housing:	Polycarbonate, UL94V-0 rated or equivalent
Operating Life:	Minimum 20 reterminations
Contact Material:	Copper Alloy
IDC Contact Plating:	Tin/Lead Plate
Contact Force:	100g minimum
Wire Accommodation:	22-24 AWG solid

Electrical Characteristics

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

Termination Tool: 110

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

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