

Features and Benefits

The PowerCat 5e 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 5e 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

Commercial Standards

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

Pending Approvals

UL-1863 (Pending)
CSA (Pending)

Technical Information

Mechanical Characteristics

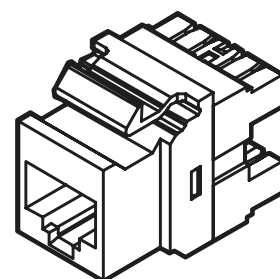
Jack Connector
Plastic Housing: Polycarbonate, UL94V-0 rated or equivalent
Operating Life: Minimum 750 insertion cycles
Contact Material: Copper Alloy
Contact Plating: 1.25 micrometres Au/Ni
Contact Force: 100g minimum
Plug Retention Force: 5kg.

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/Optical Characteristics

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



Keystone Jack C5e Performance (dB) Summary @ 100MHz			
	Cat 5e	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

Termination Tool: 110

Dimensions:
23mm x 18mm x 30.6mm

Shipping Weight: 28g

ORDERING INFORMATION

Order No.	SAP No.	Description
KSJ-00032-**	Consult Molex	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

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