

## Features and Benefits

The PowerCat 5e DataGate jack is designed to maintain clean secure connections. The RJ-45 jack features a patented 'spring-loaded shutter' which protects it from dust and contaminants as well as provides tactile feedback – the spring-loaded shutter pops out an improperly seated patch cord – all with single-handed plug-in and removal.

DataGate jacks utilise patented IDC V-shaped contacts that flex not fatigue when terminated and is uniquely designed to allow for rear and side entry cable termination. The provision of side entry termination ensures bend radius is maintained in installations where there is limited space - optimising the performance of your Enhanced Category 5 solution.

- **Patented Spring-Loaded Shutter:**
  - prevents incomplete mating
  - protects from dust and contaminants
- **Patented IDC V-shaped contacts** that flex not fatigue when terminated
- **Features pointed IDC towers** to speed termination and enhance cable retention
- **Dual colour-coding** allows for 568 A/B wiring configuration
- **Can be terminated** using industry standard punch down tools
- **RJ-11 & RJ-12 compatible**
- **Molded category identification** on jack face as well as optional port identification icons

## Commercial Standards

TIA/EIA-568-B.2-1 Component Compliant  
FCC Subpart F 68.5 Compliant  
IEC-603-7 Compliant  
ISO 11801 Class E Compliant

*Pending Approvals*  
UL-1863  
CSA

## 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: 50µ" Gold/100µ" Nickel

Contact Force: 100g minimum

Plug Retention Force: 15 lb.

#### IDC Connector

Plastic Housing: Polycarbonate, UL94V-0 rated or equivalent

Operating Life: Minimum 200 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: 20 milliohms

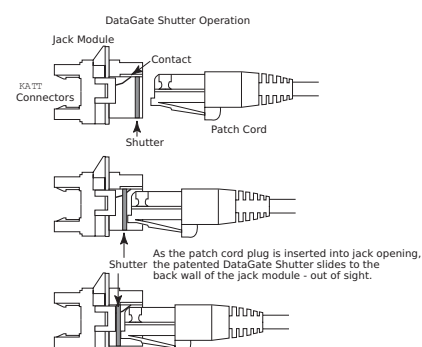
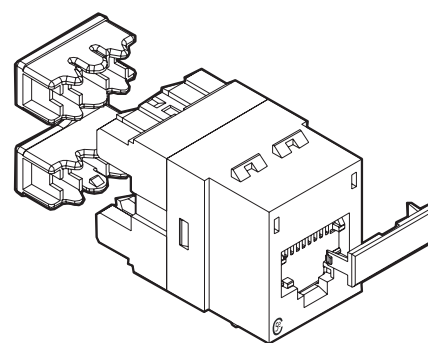
Initial Contact Resistance: 2.5 milliohms

Insulation Resistance: >100 Megaohms

Dimensions (mm):

23.9(H) x 17.8(W) x 32.3(D)

Shipping Weight: 14g



## ORDERING INFORMATION

Order No.	SAP No.	Description
KSJ-00024-**	Consult Molex	PowerCat 5e DataGate Jack 8W 568A/B
Accessories		
CSP-00021-**	Consult Molex	Blank 6-Pack Icons (Bag of 10)
CSP-00022-**	Consult Molex	Data 6-Pack Icons (Bag of 10)
CSP-00023-**	Consult Molex	Voice 6-Pack Icons (Bag of 10)

DataGate Colours - Replace the (\*\*) in the part number with one of the following: 01 = Almond, 02 = White, 04 = Black, 05 = Ivory, 08 = Light Grey, RD = Red, BL = Blue, GR = Green, YL = Yellow, RG = Orange, PP = Purple

## MOLEX PREMISE NETWORKS

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