

Features and Benefits

The PowerCat 6 Synergy™ Surface Mount Boxes are ideal for use in open office cabling. The attractive, contemporary design of the product family comprises of 1, 2, 4 and 6 port variants complete with DataGate shuttered connector. Synergy Surface Boxes offer simple, organised installation in areas where surface mount is the only option. Cable can be installed from the sides or base of the box.

PowerCat 6 Synergy Surface Mount Boxes feature the DataGate Category 6 connector. This superior RJ45 IDC includes a unique integral shutter that not only protects the connector from dust and contaminants, but the ingenious spring-loaded design also ejects improperly seated patch cords. The DataGate connector is dual colour coded for either 568A or 568B wiring schedules and is RJ11 compatible.

Suitable for high-speed data transmission, the DataGate Category 6 connector has been designed to exceed the highest electrical performance standards in the industry and has been independently tested and verified by ETL SEMKO for Category 6 component compliance. The DataGate connector is also backwards compatible with C5E systems.

- Contemporary design
- Protected labelling facility and service I.D. icons
- Ideal for surface mount applications

Commerical Standards

TIA/EIA-568-B.2-1, FCC Subpart F 68.5, ISO 60603-7, ISO 11801:2002, EN 50173:2002, ETL Verified for Category 6 Component Compliance

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: 6.8kg.

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

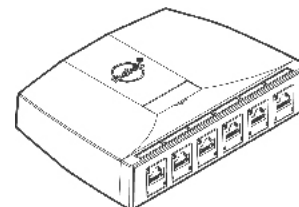
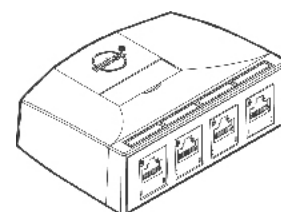
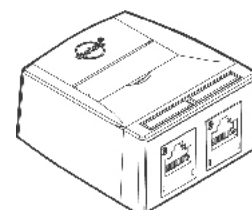
Electrical/Optical Characteristics

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

Termination Tool: 110

Shipping Weight:

1 Port: 3g
2 Port: 4.5g
4 Port: 8g
6 Port: 14.5g



ORDERING INFORMATION

Order No.	SAP No.	Description
SBX-00005-02	Consult Molex	1 Port PowerCat 6 DataGate Synergy Surface Box, 568A/B - White
SSY-00007-02	Consult Molex	2 Port PowerCat 6 DataGate Synergy Surface Box, 568A/B - White
SSY-00008-02	Consult Molex	4 Port PowerCat 6 DataGate Synergy Surface Box, 568A/B - White
SSY-00009-02	Consult Molex	6 Port PowerCat 6 DataGate Synergy Surface Box, 568A/B - White
CSP-00021-**	Consult Molex	Connector Icon Label

Insert color code in place of ** in part number when ordering PowerCat 6 Accessories: 01 = 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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