

PowerCat Synergy Surface Blocks ➤

PowerCat Synergy Surface Mount Boxes are ideal for use in open office cabling. The attractive, contemporary design of the product family comes complete with DataGate shuttered connector. Synergy Surface Boxes offer simple, organized installation in areas where surface mount is the only option. Cable can be installed from the sides or base of the box.

PowerCat Synergy Surface Mount Boxes feature the DataGate Category 5e 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 color coded for either 568A or 568B wiring schedules and is RJ11 compatible.

Suitable for high-speed data transmission, the DataGate Category 5e 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 5e component compliance.



FEATURES AND ADVANTAGES

Contemporary design

Protected labeling facility and service I.D. icons

Ideal for surface mount applications

SPECIFICATIONS

Commercial Standards

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

UL-1863 (Pending)

CSA (Pending)

ETL Verified for Category 5e

Component Compliance

Mechanical

Jack Connector

Plastic Housing: Polycarbonate, UL94V-0 rated or equivalent

Operating Life: Minimum 750 insertion cycles

Contact Material: Copper Alloy

Contact Plating: 1.25 micrometers 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: 3g

Keystone Jack C5e Performance (dB) Summary @ 100 MHz

	Cat 5e Spec	Worse 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

ORDERING INFORMATION

Order No.	SAP No.	Description
SBX-00006-02	183380002	1 Port Synergy Mount Block, RJ45 568A/B UTP Cat 5e White

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