DATASHEET

PowerCat 6 Synergy Surface Mount Box ›

Synergy Surface Mount Boxes are ideal for use in open office cabling. 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.

The 1 port PowerCat 6 Synergy Surface Mount box features 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. The DataGate connector is also backwards compatible with C5E systems.

FEATURES AND ADVANTAGES

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

www.molexces.com/products/copper/cat6/

Molex is a registered trademark of Molex, LLC in the United States of America and may be registered in other countries; all other trademarks listed herein belong to their respective owners. This information is correct at the time of publication, specifications are subject to change.

Order No. SBX-00005-02 NK/2024.05 ©2024 Molex

DATASHEET

PowerCat 6 Synergy Surface Mount Box ›

SPECIFICATIONS

Commercial Standards

TIA/EIA-568-C.2:2009 cat.6, EN 50173-1:2011 Class E, ISO/IEC 11801:2010 (Ed 2.2) Class E, FCC Subpart F68.5

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: 1.27 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 matte finish

Contact Force: 100g minimum

Wire Accommodation: 22-24 AWG solid

Electrical/Optical Characteristics

Interface Resistance: 20 mΩ

Initial Contact Resistance: 2.5 mΩ

Insulation Resistance: >100 MΩ

Termination Tool: 110

Shipping Weight: 1 Port: 3g

ORDERING INFORMATION

Order No.	SAP No.	Description
SBX-00005-02	Consult Molex	1 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 Gray, RD = Red, BL = Blue, GR = Green, YL = Yellow, RG = Orange, PP = Purple

www.molexces.com/products/copper/cat6/

Molex is a registered trademark of Molex, LLC in the United States of America and may be registered in other countries; all other trademarks listed herein belong to their respective owners. This information is correct at the time of publication, specifications are subject to change.

 ©2024 Molex