



# PowerCat™ 6A Shielded Angled Side Entry MOD-SNAP III Module

## Features and Benefits

The Shielded Angled MOD-SNAP III Module is part of the PowerCat 6A Shielded product range that has been designed to support a growing requirement for shielded cabling systems. Also ideal for floor box applications, the product is a fully assembled unit featuring the shuttered shielded DataGate™ 6A connector in a 37.5 x 22mm fascia (BT6C size). The angled design reduces patch cord bend radius particularly in shallow floor box installations. The Angled MOD-SNAP III Module can also be used in the MOD-SNAP range of wall plates.

The PowerCat 6A side entry Angled MOD-SNAP III Module is designed specifically for shallow backbox and trunking applications. The module features the unique side entry DataGate shielded connector. This shielded connector offers superior alien crosstalk suppression, excellent insertion loss, and provides enhanced electromagnetic interference (EMI) protection by utilising robust die-cast zinc alloy connector body housing. This shielded connector also features a unique spring loaded shutter that not only protects it from dust and contaminants, but the ingenious spring loaded design also ejects improperly seated patch cords. The shielded connector is dual colour coded for either 568A or 568B wiring schedules. The DataGate PowerCat 6A shielded connector is also backwards compatible with shielded C6 and C5e systems.

Molex recommends the full range of PowerCat 6A shielded products be used in a system to maximise cabling performance. This system is compliant with ISO/IEC 11801 A1.1 and TIA 568-C.2 Cat 6A for the support of 10GBASE-T.

- Single side entry module
- 37.5 x 22mm fascia
- 360° die-cast shielded shuttered RJ45 DataGate connector
- Floor box and wall plate compatible
- Protected labelling facility
- Angled fascia
- Category 6A performance when installed as a complete PowerCat 6A shielded system
- RoHS Compliant

## Commercial Standards

TIA-568-C.2 Cat 6A  
 ISO/IEC 11801 A1.1  
 FCC Subpart F 68.5  
 IEC-603-7

*Pending Approvals:*  
 ETL independent testing  
 UL-1863  
 CSA C2.2

## Technical Information

### Mechanical Characteristics

#### Connector

Housing: Zinc Alloy plated Bright Ni/Cu  
 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 minimum

#### IDC Connector

Housing: Polycarbonate, UL94V-0 rated  
 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

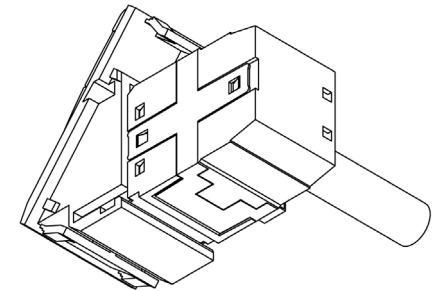
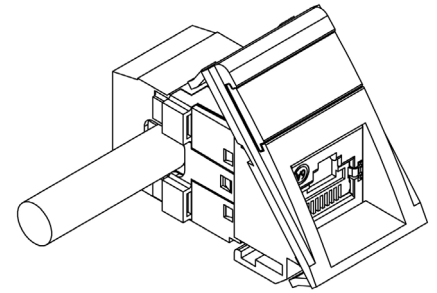
### Electrical Characteristics

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

Minimum Backbox Depth Requirement: 28mm.

Termination Tool: 110

Single gang (2 modules) only are recommended for side entry installation. Double gang (4 modules) can only be installed using 180° termination.



## ORDERING INFORMATION

Order No.	Description
MMS-00019-02	PowerCat 6A Angled Side Entry MOD-SNAP III Module RJ45 568B Shielded - White
MMS-00019-04	PowerCat 6A Angled Side Entry MOD-SNAP III Module RJ45 568B Shielded - Black
MMS-00014-02	MOD-SNAP III Blank Module

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