molex

PowerCat 6 Shielded Angled Euromod II Module ❯

The Shielded Euromod modular system provides a flexible and versatile method of installation, allowing the user the choice of nstalling as many data outlets as required. The module is compatible with the Euromod range of wall plates and its angled design reduces patch cord bend radius.

The PowerCat 6 shielded Angled Euromod II Module is a key component of the PowerCat 6 shielded channel compliant system. The module features the Shielded DataGate connector allowing 180° and 90° cable exit. This superior connector provides 360° shielded protection by utilizing a two piece tin/nickel plated brass can that encloses the RJ45 IDC. The Shielded DataGate connector includes a unique integral shutter that not only protects it from dust and contaminants, but the ingenious spring-loaded design also ejects improperly seated patch cords. The Shielded DataGate connector is dual color coded for either 568A or 568B wiring schedules and is RJ11 compatible.

Suitable for high-speed data transmission, the Shielded DataGate connector has been designed to exceed the highest electrical performance standards in the industry.

Molex recommend that the full range of PowerCat 6 Shielded products are used in a system to maximize cabling performance.

FEATURES AND ADVANTAGES

N25 x 50mm fascia
360° shielded shuttered RJ45
DataGate connector
Protected labeling facility
Euromod wall plate compatible
Angled fascia
RoHS Compliant

www.molexces.com/products/copper/cat6

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SPECIFICATIONS

Commerical Standards

TIA/EIA 568C.2:2009 cat. 6, EN 50173-1 :2011 Class E, ISO/IEC 11801:2010 (Ed 2.2) Class E, IEC 61156-5, EN50288-5

Technical Information
Mechanical Characteristics

Jack Connector
Can: 0.25mm brass to C2680R pre-plated tin over nickel
Plastic Housing:
Polycarbonate, UL94V-0 rated or equivalent
Operating Life:
Minimum 750 insertion cycles
Contact Material: Copper Alloy
Contact Plating: 1.27 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

Minimum Backbox Depth Requirement:
35mm 90° cable entry may not possible in certain styles of floor boxes or back boxes.

Termination Tool: 110

Shipping Weight: 468g (Pk of 10)

PoE

Our PowerCat 6 system is suitable for PoE applications as defined below:
IEEE 802.3bt from Type 1 to Type 4, and CISCO UPoE+

Notes:
For new installations of PoE Type 3 / Class 5 and above that wish to be eligible for the Molex 25 year Application Assurance Warranty, we require Category 6A cable to be used throughout.

To confirm your PoE / RP3 cabling design is eligible for the Molex 25 year Application Assurance Warranty, your design must be verified and validated with the Molex PoE Calculator. Read more https://www.molexces.com/poe-calculator

Molex recommends that the PoE feature on an individual switch port are power disabled prior to unplugging the associated powered Device.
Molex recommends that the full range of PowerCat 6 products be used in a system to maximize cabling and PoE performance Details on Molex requirements for Warranty can be found at https://www.molexces.com/about-us/our-warranty/

ORDERING INFORMATION

Order No.	SAP No.	Description
MEU-00058-02	Consult Molex	PowerCat 6 Angled Euromod II Module RJ45 568A/B Shielded - White

www.molexces.com/products/copper/cat6