



PowerCat Angled Euromod Module Category 5E

Features and Benefits

Molex Premise Networks PowerCat Euromod module is part of the Euromod range of modular walloutlets featuring a 25 x 50mm fascia size. The product comes complete with a Category 5E, RJ45 RJLP connector, designed to support high speed data transmission systems.

The unique angled design of module reduces line cord bend radius, and allows the product to remain flush with the wallplate for a streamlined appearance.

The module is a component of the PowerCat System range of products, that have been designed based on the PowerSum principle of crosstalk measurement and testing.

Molex Premise Networks unique patented RJLP RJ45 connector is designed to meet the highest performance standards in the industry and offers a low profile, space saving design that enables installation in shallow backboxes and trunking.

- C5E RJ45 RJLP connector
- EIA 568B wired
- Space saving low profile module

Technical Information

Termination Tools:

Molex and other industry standard installation tools

IDC Terminations

Suitable for 0.4mm - 0.6mm solid or stranded cable, maximum o.d 1.5mm

Two wires may be terminated for daisy-chain applications.

Patents pending on connector and module designs.

Mechanical

Jack Connector

Operating Life : Minimum 500 insertion cycles
 Contact Material : Phosphor Bronze
 Contact Plating : 1.25 micrometres Au/Ni
 Material : UL 94V0 Thermoplastic

IDC Connector

Operating Life : Minimum 100 Reterminations
 Contact Material : Phosphor Bronze
 Contact Plating : Sn/Pb over Ni
 Wire Accommodation : 2 x 22-26 AWG solid or stranded

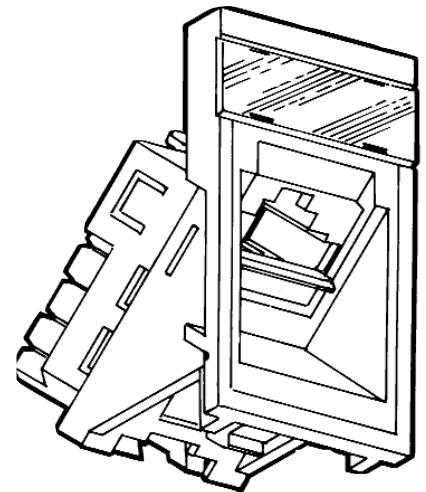
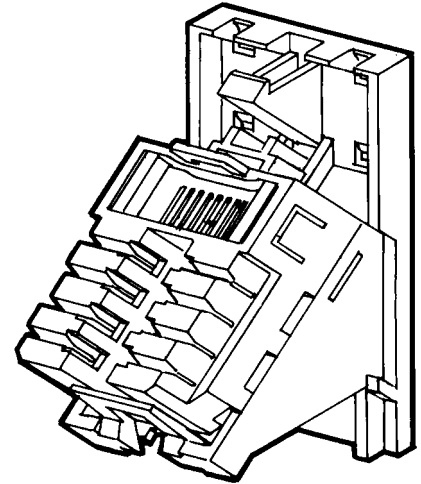
Electrical

D.C. Resistance : <20mΩ
 D.C. Resistance Imbalance : <2.0mΩ
 Insulation Resistance : >100MΩ
 Attenuation (dB) @ 1MHz 0.0121
 @ 16MHz 0.0193
 @ 100MHz 0.1052
 Crosstalk (dB) @ 1MHz -84.26
 @ 16MHz -60.03
 @ 100MHz -45.70
 PowerSum Worst Pair @ 100MHz -41.83
 Return Loss (dB) @ 1MHz -65
 @ 16MHz -48
 @ 100MHz -30

Backbox/Trunking depth requirement

Minimum clearance 25mm

Shipping Weight Box 20 = 0.35 Kg



Order No.	Description
MEU-00019-02	Powercat Angled Euromod RJLP module. RJ45, 568B, Cat 5E (White)

Molex Premise Networks standard fascia colour is white. Other colours may be subject to minimum order quantities.

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