

### Features and Benefits

The Euromod modular system provides a flexible and versatile method of installation. This modular system offers a wide range of wallplates and modules that allow the user to install as many data outlets as required. The modules are fully assembled units featuring the Molex Premise Networks low profile Cat 5E RJLP connector and a 25 x 50mm fascia, shutter and spring assembly.

Molex Premise Networks unique patented RJLP RJ45 connector is engineered 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.

Suitable for high speed data transmission the PowerCat RJLP RJ45 connector was designed to meet the requirements of the Cat 5E standard which demands compliance with the PowerSum principle of measurement and test.

- Cat 5e performance 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 94VO 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

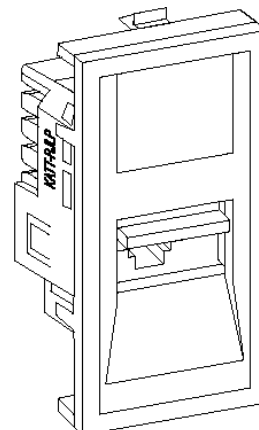
#### Electrical

D.C. Resistance : <20m $\Omega$   
 D.C. Resistance Imbalance : <2.0m $\Omega$   
 Insulation Resistance : >100M $\Omega$   
 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 16mm

Shipping Weight : Box 20 = 0.35 Kg



Order No.	Description
17.1B.011.A0042*	PowerCat Euromod RJLP module. RJ45, 568B, Category 5E (White) UTP

Molex standard colours is white. Other colours are available subject to minimum order quantities - contact customer services for details.



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