



## PowerCat MOD-SNAP Module Category 5E

### Features and Benefits

The MOD-SNAP modular system provides a flexible and versatile method of installation, allowing the user the choice of installing 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 38.5mm fascia (BT 6C size), 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 requirement of the Cat 5E standard which demands compliance with the PowerSum principle of measurement and test.

- RJ45 RJLP connector Category 5E
- EIA 568B wired
- Space saving low profile module
- Labelling facility

### 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 : <20m

D.C. Resistance Imbalance : <2.0m

Insulation Resistance : >100M

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

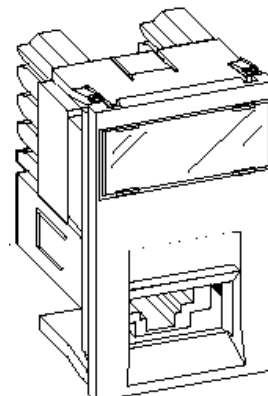
@ 100MHz -30

#### Backbox/Trunking depth requirement

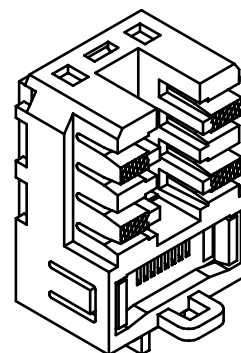
Minimum clearance 16mm

#### Shipping Weight

Box 20 = 0.25 Kg



Cut out size: 37 x 22mm



Order No.	Description
42.1B.011.A0032*	Powercat Mod-Snap RJLP module. RJ45, 568B, Category 5E (White)

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

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