

## FEATURES AND SPECIFICATIONS

**molex**

## PowerCat 22.5 x 45mm Module Category 5E

### Features and Benefits

The 22.5 x 45mm module has been designed specifically to be compatible with the Legrand range of 45 x 45mm bezels. Two modules or a single module and a blank may be installed in this format. Molex's PowerCat 22.5 x 45mm module features an enhanced performance Category 5, RJ45 RJLP connector, designed to support high speed data transmission systems. The module is part 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

- Legrand bezel compatible
- Enhanced Performance RJ45 connector
- EIA 568B wired

### Technical Information

#### Mechanical Characteristics

Termination Tools: Molex and other industry standard installation tools

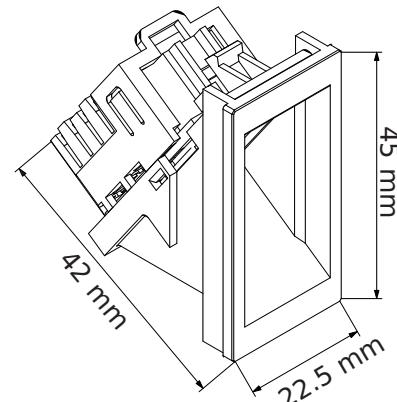
#### Jack Connector

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

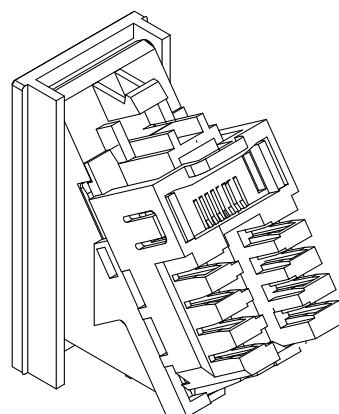
Wire Accommodation : 2 x 22-26 AWG solid or stranded

#### 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.



#### Electrical/Optical Characteristics

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 -40

@ 100MHz -30

Backbox/Trunking depth requirement

Minimum clearance 25mm

Shipping Weight Box 20 = 335gm

## ORDERING INFORMATION

Order No.	SAP No.	Description
MLG-00002-02	Consult Molex	Angled 22.5 x 45mm Module 568B Cat 5E White Powercat
<b>Supplementary Product</b>		
16.A0012	Consult Molex	Blank Module 22.5 x 45mm

## MOLEX PREMISE NETWORKS

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