FEATURES AND SPECIFICATIONS

PowerCat EUROMOD Module Category 5e

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 Characteristics

Jack Connector

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

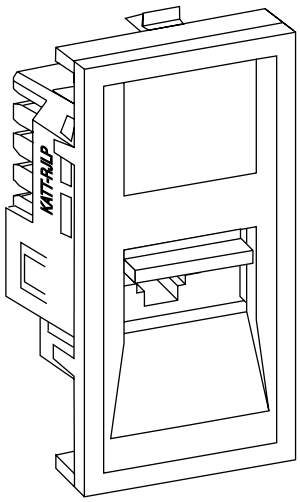
IDC Connector

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/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 -48
@ 100MHz -30

Backbox/Trunking depth requirement
Minimum clearance: 16mm
Shipping Weight: Box 20 = 0.35 Kg



ORDERING INFORMATION

Order No.	SAP No.	Description
17.1B.011.A0042	Consult Molex	PowerCat 5e Euromod RJLP Module RJ45, 568B UTP - White

Standard colour is white, other colours are available subject to minimum order quantities.

Please refer to our website at **http://www.molexpn.com/About-Us/Our-Warranty.html** for terms and conditions of any resulting warranty.
This information is correct at the time of publication, specifications are subject to change.