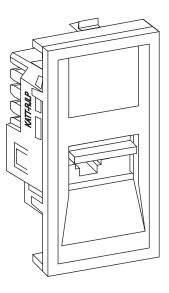
## FEATURES AND SPECIFICATIONS

# molex

## PowerCat 5e FTP Euromod RJLP module



#### 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 PowerCat module is a fully assmebled unit featuring the Molex Premise Networks low profile FTP Category 5, RJ45 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. The FTP RJLP connector provides continuity of the cable shield by the inclusion of a termination point for the drain wire.

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

- Category 5e RJLP connector
- EIA 568B wired
- Space saving low profile module
- Provides through shield continuity

#### Technical Information

Mechanical Characteristics

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.

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 Accommoda	/ire Accommodation: 2 x 22-26 AWG		
	solid or stranded		

#### **Electrical/Optical Characteristics**

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

### **ORDERING INFORMATION**

Order No.	SAP No.	Description
MEU-00020-02	Consult Molex	PowerCat 5e FTP Euromod RJLP module. RJ45, 568B - (White)

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

#### **MOLEX PREMISE NETWORKS**

Americas Tel: 630 969 4550 www.molexpn.com **EMEA** Tel: 44 (0)2392 205800 www.molexpn.co.uk APAC Tel: 61 3 9971 7111 www.molexpn.com.au

© 2014, Molex Premise Networks Printed in the UK Form#MEU-00020-02 Page 1 of 1 Issue 1 This information is correct at the time of publication, specifications are subject to change