molex®

PowerCat FTP 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 FTP RJLP connector and a 25 x 38.5mm fascia (BT 6C size), shutter and spring assembly.

Molex Premise Networks unique patented FTP 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 FTP 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.

- ■ FTP 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 94VO Thermoplastic

IDC Connector

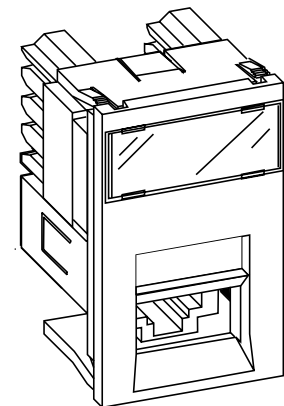|	
Operating Life :	Minimum 100 Reterminations
Contact Material :	Phosphor Bronze
Contact Plating :	Sn/Pb over Ni
Wire Accommodation:	2 x 22-26 AWG solid or stranded

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 = 0.25 Kg

Order No.	Description
MMS-00004-02	Powercat FTP 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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