molex

Fixed Wallplate 1 Port PowerCat UTP/ FTP Category 5E

Features and Benefits

The PowerCat 2 Port Shuttered Fixed Wallplate offers an economic alternative to the modular system, eliminating the need for separate components as only one part is needed. The Wallplate is a complete assembly, comprising 2, C5E RJLP Connectors, Fascia, Spring Loaded Shutters and a protected labelling facility. The product is designed to be compatible with UK single gang back boxes.

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 allows installation in shallow back boxes and trunking.

Suitable for high speed data transmission, the PowerCat RJLP RJ45 was designed to meet the requirements of the C5E standard which demands compliance with the PowerSum principle of measurement and test.

- UK standard 86 x 86mm fascia
- Low profile C5E RJ45 Connector
- Spring loaded shutters
- FTP version provides through-shield continuity

Technical Specification

Termination Tools:
Molex and industry standard tooling

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 micrometers Au/Ni
Material:	UL 94V0 Thermoplastic

IDC Connector

Operating Life:	Minimum 100 Reterminations
Contact Material:	Phosphor Bronze
Contact Plating:	Sn/Pb over Ni
Wire Size:	2x26-22 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(dB)	@100MHz -41.83
Return Loss (dB)	@1MHz -65.0
	@16MHz -48.0
	@100MHz - 30.0

ORDERING INFORMATION

Order No.	SAP No.	Description
WNC-00008-02	Consult Molex	2 Port PowerCat Fixed Shuttered UTP Wallplate 568B Category 5E, White
WNC-00011-02	Consult Molex	2 Port PowerCat Fixed Shuttered FTP Wallplate 568B Category 5E, White

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