

## FEATURES AND SPECIFICATIONS



## PowerCat UTP/FTP DIN Module

### Features and Benefits

The DIN Module has been designed for compatibility with the 50 x 50mm DIN 49075 standard. The module CSE UTP and FTP variants and will support all currently ratified applications including Gigabit Ethernet. The product is a fully assembled unit featuring a fascia, complete with 2 PowerCat RJLP RJ45 connectors protected by spring loaded shutters.

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 Power Sum principle of measurement and test.

The FTP variant provides continuity of the cable shield by the inclusion of a termination point for the drain wire.

- Busch Jaeger®, Peha®, Jung®, Gira®, Niko® bezel compatible
- Two Ports protected by spring loaded shutters
- Enhanced performance RJ45 Connectors
- EIA 568B wiring schedule

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### Technical Information

#### Termination Tools:

Molex Premise Networks and other industry standard installation tools

#### 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 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. Patents pending on connector and module designs.

#### Electrical

D.C. Resistance: <20mΩ  
D.C. Resistance: <2.0mΩ  
Imbalance: <100MΩ  
Insulation Resistance: <100MΩ

Attenuation (dB) @ 1Mhz 0.0121  
@ 16Mhz 0.0193  
@ 100Mhz 0.1052

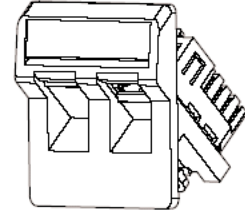
Crosstalk (dB) @ 1Mhz -84.26  
@ 16Mhz -60.03  
@ 100Mhz -45.70

PowerSum Worst Pair @ 100Mhz -41.83

Return Loss (dB) @ 1Mhz -65  
@ 16Mhz -40  
@ 100Mhz -30

#### Backbox/Trunking depth requirement

UTP & FTP - Minimum clearance 25mm  
Shipping Weight Box 20 = 400gm



## ORDERING INFORMATION

Order No.	Description
WNC-00020-06	DIN Module 2P 568B PowerCat UTP
WNC-00021-06	DIN Module SHL 2P 568B PowerCat FTP

Molex Premise Networks standard fascia colour is white. Other colours may be subject to minimum order quantities. The bezel is not included in the kit.

PowerCat system products

Order No.	Description	Order No.	Description
<b>Panel</b>		<b>Patchcords</b>	
27.1B.241.A005G 24	Port Panel - With Cover 1U 568B UTP	PCD-00071-0*	UTP Patch Cords 5m
PID-00058	24 Port Panel 1U 568B UTP	PCD-00104-0*	FTP Patch Cords 5m
PID-00019	24 Port Panel 1U 568B FTP		
<b>Cable</b>			
CAA-00013	4 Pair FTP PVC Cat 5E Cable 305m Box		
39.A0360	4 Pair UTP PVC Cat 5E Cable 305m Box		

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This information is correct as at the time of publication, specifications are subject to change.