



### Features and Benefits

The PowerCat 10G Shielded DIN module is designed for compatibility with the 50 x 50mm DIN 49075 standard. The product is a fully assembled unit featuring the Shielded DataGate 10G connector. The angled design reduces patch cord bend radius and features a protected labelling facility. Individual ports may be colour coded using a connector icon label, for site-specific network administration. The PowerCat 10G Shielded DIN module is available as a single or double port product and is supplied with a grid-plate.

The PowerCat 10G Shielded DIN Module is a key component of the PowerCat 10G shielded channel compliant system. The module features the Shielded DataGate 10G connector that allows 180° cable exit. This superior connector provides 360° shielded protection by utilising a two piece tin/nickel plated brass can that encloses the RJ45 IDC. The Shielded DataGate Plus connector includes a unique integral shutter that not only protects it from dust and contaminants, but the ingenious spring-loaded design also ejects improperly seated patch cords. The Shielded DataGate 10G connector is dual colour coded for either 568A or 568B wiring schedules and is RJ11 compatible.

Suitable for high-speed data transmission, the Shielded DataGate 10G connector has been designed to exceed the highest electrical performance standards in the industry and has been independently tested and verified by ETL SEMKO for Category 6 component compliance. The Shielded DataGate 10G connector is also backward compatible with Shielded CSE systems.

Molex recommend that the full range of PowerCat 10G Shielded products are used in a system to maximise cabling performance. The System has been independently verified by Intertek ETL SEMKO as compliant with ISO/IEC TR24570 and TIA/EIA TSB-155 technical reports for the support of 10G BASE-T Channels and Permanent Links.

- DIN 49075 compatible
- 360° Shielded Shuttered RJ45 DataGate 10G connector component compliant
- Protected labelling facility
- Angled fascia
- 1 and 2 Port versions
- 10G Channel performance when installed as a complete PowerCat 10G Shielded System
- RoHS Compliant

**Compliant With**

### Category 6:

TIA/EIA 568B-2-1, FCC Subpart F68.5, ISO 60603-7,  
ISO 11801:2002, EN 50173:2002

### 10G Base-T:

TIA/EIA TSB-155  
ISO/IEC 24570

### Technical Information

#### Mechanical Characteristics

##### Jack Connector

Plastic Housing:	Polycarbonate, UL94V-0 rated or equivalent
Operating Life:	Min. 750 insertion cycles
Contact Material:	Copper Alloy
Contact Plating:	1.25 micrometres Au/Ni
Contact Force:	100g minimum
Plug Retention Force:	6.8kg
Can:	0.25mm brass to C2680R pre-plated tin over nickel

##### IDC Connector

Plastic Housing:	Polycarbonate, UL94V-0 rated or equivalent
Operating Life:	Min. 20 Reterminations
Contact Material:	Copper Alloy
IDC Contact Plating:	Tin/Lead Plate
Contact Force:	100g minimum
Wire Accommodation:	22-24 AWG solid

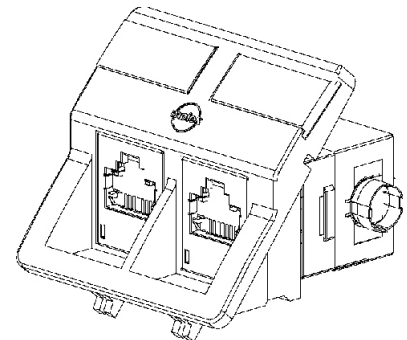
#### Electrical Characteristics

Interface Resistance:	<20mΩ
Initial Resistance Imbalance:	<2.5mΩ
Insulation Resistance:	>100MΩ

Minimum backbox depth requirement: 50mm

Termination Tool: 110

Shipping weight: 300g (pack of 5)



### ORDERING INFORMATION

Order No.	Description
WNC-00036-02	PowerCat 10G DIN Module 1 Port DataGate Plus RJ45 568A/B Shielded - White
WNC-00036-06	PowerCat 10G DIN Module 1 Port DataGate Plus RJ45 568A/B Shielded - Almond
WNC-00037-02	PowerCat 10G DIN Module 2 Port DataGate Plus RJ45 568A/B Shielded - White
WNC-00037-06	PowerCat 10G DIN Module 2 Port DataGate Plus RJ45 568A/B Shielded - Almond
CSP-00021-**-	Connector icon labels



\*\* Colour Options: 01=Almond, 02=White, 04=Black, 05=Ivory, 08=Grey, BL=Blue, GR=Green, PP=Purple, RD=Red, RG=Orange, YL=Yellow

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