

Features and Benefits

These PowerCat 6 Shielded modules are compatible with the Legrand® range of 45 x 45mm bezels. The product are fully assembled units featuring the Shielded shuttered DataGate 6 connector. The angled design reduces patch cord bend radius and features a protected labelling feature. Individual ports may be colour coded using a connector icon, for site-specific network administration.

The PowerCat 6 Shielded Modules are a key component of the PowerCat 6 shielded channel compliant system. The module features the Shielded DataGate connector that allows 180° and 90° 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 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 connector is dual colour coded for either 568A or 568B wiring schedules and is RJ11 compatible.

The Shielded DataGate connector is suitable for high-speed data transmission and is backwards compatible with Shielded C5E systems. Molex recommend that the full range of PowerCat 6 Shielded products are used in a system to maximise cabling performance.

- Legrand® 45 x 45mm bezel compatible
- 360° shielded shuttered RJ45 DataGate 6 connector component compliant
- Protected labelling facility
- Angled fascia
- RoHS Compliant

Commercial Standards

Subpart F68.5, ISO 60603-7,
ISO 11801:2002, EN 50173:2002
TIA/EIA 568B 2-10 channel compliant
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: Minimum 750 insertion cycles
Contact Material: Copper Alloy
Contact Plating: 1.27 micrometres Au/Ni
Contact Force: 100g minimum
Plug Retention Force: 6.8kg.
Can: 0.25mm brass to C2680R pre-plated tin over nickel.

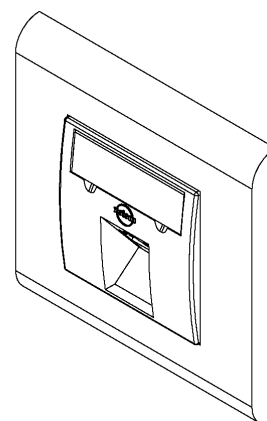
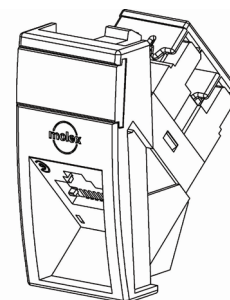
IDC Connector
Plastic Housing: Polycarbonate, UL94V-0 rated or equivalent
Operating Life: Minimum 20 reterminations
Contact Material: Copper Alloy
IDC Contact Plating: Tin/Lead Plate
Contact Force: 100g minimum
Wire Accommodation: 22-24 AWG solid

Electrical/Optical Characteristics

Interface Resistance: 20mΩ
Initial Contact Resistance: 2.5mΩ
Insulation Resistance: >100MΩ
Minimum Backbox Requirement: 40mm

Termination Tool: 110

Shipping Weight:
22.5 x 45mm 325g (Pack of 10)
45 x 45mm 150g (Pack of 5)



ORDERING INFORMATION

Order No.	SAP No.	Description
MLG-00022-02	Consult Molex	PowerCat 6 22.5 x 45mm Module RJ45 568A/B Shielded - White
MLG-00025-02	Consult Molex	PowerCat 6 45 x 45mm Module RJ45 568A/B Shielded - White
16.A0012	Consult Molex	22.5 x 45mm Blank Module

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