molex ®

STP Mod Mosaic 22.5x45mm, Angled Module, Shuttered, 1xRJ45, 568A/B PowerCat 6, White

FEATURES SUMMARY

The PowerCat 6 STP 22.5 x 45mm module is compatible with the Legrand range of 45 x 45mm bezels. Two modules or a single module and a blank may be installed in this format. The product is a fully assembled unit featuring the STP shuttered DataGate Plus™ 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 22.5 x 45mm module features the STP DataGate Plus Category 6 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 STP 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 STP DataGate Plus connector is dual colour coded for either 568A or 568B wiring schedules and is RJ11 compatible.

Suitable for high-speed data transmission, the STP DataGate Plus Category 6 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 STP DataGate Plus connector is also backwards compatible with STP FTP C5E systems.

– Legrand ® 45 x 45mm bezel compatible
– 360° shielded shuttered RJ45 DataGate Plus connector component compliant
– Protected labelling facility
– Angled fascia

Standards compliance: TIA/EIA-568-B.2-1, FCC Subpart F 68.5, ISO 60603-7, ISO 11801:2002, EN 50173:2002.

MECHANICAL PARAMETERS

Dimensions [mm]:	22.5x45x37.5
Weight [g]:	32.5
JACK:	
Plastic Housing:	UL94V0
Operating life:	> 750 insertion cycles
Contact Material:	Copper alloy
Contact plating:	1.25 μm gold on 2.50 μm nickel
Contact force:	> 100 g
Plug retension force:	> 15 kg
Can:	0.25 brass to C2680R pre-plated tin over nickel

IDC CONNECTOR:

Plastic Housing:	UL94V0
Operating life:	> 200 reterminations
Contact Material:	Copper alloy
Contact plating:	Sn 60%/Pb 40% alloy
Wire Accommodation:	24-22 AWG

TRANSMISSION PARAMETERS:

Insertion Loss[1-250MHz]	$\leq$ 0.2/$\sqrt{f}$	dB
NEXT[1-250MHz]	$\geq$ 54-20log(f/100)	dB
FEXT[1-250MHz]	$\geq$ 43.1-20log(f/100)	dB
RL[1$\leq$f<50MHz]	$\geq$ 30	dB
RL[50$\leq$f<250MHz]	$\geq$ 24-20log(f/100)	dB
LCL[1-250MHz]	$\geq$ 28-20log(f/100)	dB

ELECTRICAL PARAMETERS:

Interface Resistance:	< 20 mΩ
Resistance Margin:	< 2.5 mΩ
Insulation Resistance:	> 100 MΩ

Part number	Name
MLG-00022-02	STP Mod Mosaic 22.5x45mm Angled Module, Shuttered, 1xRJ45, 568A/B PowerCat 6, White
CSP-00021-**	Blank 6-Pak Icons DataGate+ (Bag of 10)
CSP-00022-**	Data 6-Pak Icons DataGate+(Bag of 10)
CSP-00023-**	Voice 6-Pak Icons DataGate+(Bag of 10)

Labelling colour option: 01 - almond, 02 - white, 04 - black, 05 - ivory, 08 - grey, BL - blue, GR - green, PP - purple, RD - red, RG - orange, YL - yellow

MOLEX PREMISE NETWORKS:

Molex Premise Networks reserves the right to change the technical parameters.