



Synergy Wallplate DG+ 1xRJ45 568A/B STP PowerCat 6A, White

Features summary

Synergy DG+ box is a small 1-port solution for surface mounted user outlets, for example in open space offices. The box accommodates one Category 6A Data Gate+ shuttered module. Twisted-pair cable can enter the box from the sides or the base of the box. Unlike in other available products, the KATT Insulation Displacement Connector (IDC) contacts are V-shaped and flexible. That is why the contacts flex only slightly when connecting conductors, thus minimising fatigue and extending the product life. With the enhanced housing shape, installation is now easier: conductors are arranged in their slots almost automatically, and the stuffer cap fully protects wires in place. The double colour coding system enables 568A or 568B conductor configuration.. The RJ-45 port has a unique automatic shutter that keeps the jack clean inside and ensures correct connections. A spring loaded mechanism in the module closes the shutter every time a patch cord is unplugged. Any incorrectly inserted plug is ejected by the spring loaded mechanism, which eliminates dummy connections that do not enable transmission but make fault detection more difficult. Moreover, the moving shutter wipes all jack contacts clean upon each connect/disconnect, minimising potential maintenance effort. The DataGate+ modules can be labelled individually using special label holders that come in more than ten colours.

Standards

ANSI/TIA-568-C.2 cat 6A, ISO 11801 A1.1classEA
FCB part F 68.5, ISO 60603-7,
EN 50173:2007 class EA,

Technical parameters

Electrical Parameters

Resistance: $\leq 20m\Omega$
Initial contact resistance: $\leq 2.5m\Omega$
Insulation resistance: $> 100M\Omega$

Mechanical parameters

RJ45 Jack (DataGate)

Housing: Zinc Alloy plated Bright Ni/Cu
Operating Life: Minimum 750 insertion cycles
Contact Material: Copper Alloy
Contact Plating: 1.25 micrometres Au/Ni
Contact Force: 100g minimum
Plug Retention Force: 6.8kg minimum

IDC Connector

Housing: Polycarbonate, UL94V-0 rated
Operating Life: Minimum 20 reterminations
Contact Material: Copper Alloy
IDC Contact Plating: Tin Matte Finish
Contact Force: 100g minimum
Wire Accommodation: 22-24 AWG solid

Box

Width [mm]: 32
Height [mm]: 30
Depth [mm]: 66

Material: UL94V-0 rated Polycarbonate
Color: White



REFERENCE INFORMATIONS

Part number	Name
SBX-00009-02	Synergy Wallplate DG+ 1xRJ45 568A/B STP PowerCat 6A, White

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