



V-Blox™ Category 5 Patch Panel PCH™ Protection Products

Ideal For 19" Relay Rack Applications Supporting Hubs, Routers, Switches and other high speed communications & networking equipment.



PCHs OFFER

- State-of-the-art, avalanche diode technology
- Self-resetting, 1500 Watt, bi-directional circuit
- Clamping voltage of 12 volts
- Convenient, integral, wiring management system

YOU RECEIVE

- Affordable, superior, equipment security
- Improved reliability and maximized system up-time
- Adaptability to most industry applications

The Category 5 PCH Series 24-Port Protected Patch Panel helps ensure the reliable operation of networked equipment using 100Base T, ATM155, CDDI and other 100Mhz applications where system availability is absolutely critical.

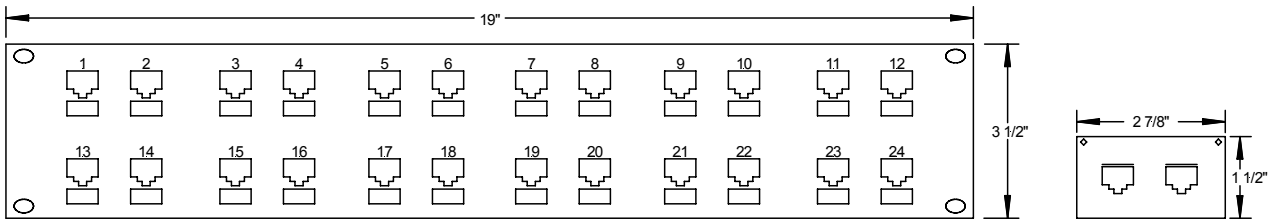
The PCH series is a 24 port, 2U, 110 IDC to RJ45 patch panel with built-in surge protection. These devices help guard sensitive, high speed communication equipment from systems damage, data loss and down time resulting from the effects of lightning, surges, electrostatic discharge and other induced voltages on data lines. PCHs include industry-standard, 19" rack-mounting for structured cabling environments, TIA/EIA-568-A compliance and an extremely fast response time of less than 5 nanoseconds. Convenient, built-in, all-wire protection makes this patch panel cost effective and a real time saver. Designed for high-speed data, voice and multimedia applications in structured cabling environments for mid to large-size businesses today, these units incorporate the latest in communication protection technology for mission critical installations. The self-resetting, 1500 Watt, bi-directional circuit provides maximum reliability. Over voltages are safely shunted to ground via an 11" braided wire and chassis frame for maximum protection.

ALL V-BLOX PRODUCTS ARE MADE IN THE USA

V-Blox Corporation is the leader & innovator in the design and manufacture of surge protection products, with twelve series of products and over 4,000 production variations. Through our Custom Products Division (CPD), V-Blox can design surge protection solutions for just about any application or network environment. V-Blox's Three Dimensional Balanced Array Protector earned the industry's highest recognition as the "gold standard" in communication line surge protection. Continued innovations include the use of avalanche diode technology, compact in-line installations for stand-alone applications along with products that address the structured cabling environment, coupled with high-speed, high-energy handling capability. V-Blox's products provide protection for products such as hubs, routers, switches, modems, ISDN, CATV, CCTV, SATV, USB, PCMCIA cards, and POS terminals. Please visit our website at www.vblox.net for more information on our broad range of products.

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ELECTRICAL SPECIFICATIONS (All specifications are subject to change with notice)	
	PCH24-C5
STD. Clamp Voltage	12 VOLTS
PEAK PULSE CURRENT	97 Amps
10/1000 μ s s.c. wave form @ Vcl	
RESPONSE TIME	-----LESS THAN 5 NANOSECONDS-----
MAXIMUM SHUNT CAPACITANCE	<25pF



Connector type	MODEL NUMBER
110 BLOCK TO RJ45	PCH24-C5
REPLACEMENT MODULE	MOD24-C5

INSTALLATION

- Remove power to the unprotected equipment
- Mount the patch panel to your 19" relay rack using the supplied hardware
- Disconnect the incoming data lines from the equipment
- Attach the ground strap to your rack. The installer should confirm a proper rack to earth ground connection. Consult with an electrician if needed. Try to keep the resistance from the supplied fork terminal ground to the rack frame minimal. It is imperative that both the PCH24-C5 and the equipment to be protected are properly grounded for effective operation.
- Using a 110 punch down tool, install the cable "22-26 AWG wire" matching the color code on the 110 IDC (Insulation Displacement Contact)
- Maintain pair twist, up to point of termination, for maximum performance (untwist less than 0.5")
- Connect the patch panel to the equipment

NOTE

These protectors reset themselves after protecting equipment from surges. In the event that lightning or other extreme surge events have exceeded the maximum capability of the protector, these devices are designed to self destruct in a "fail-safe" mode rather than allow damage to equipment. Installations often require a protector at each end of the data line (call our technical support group with any questions).

V-BLOX CONNECTED EQUIPMENT GUARANTEE

V-Blox Corporation offers our \$25,000 Connected Equipment Guarantee, 15 Year Replacement Program and a Limited Lifetime Warranty. This warranty applies only to serialized low voltage products registered with V-Blox Corporation and is subject to certain disclaimers and limitations. For a complete warranty statement, please contact V-Blox Corporation.

All specifications and dimensions are subject to change without notice.