

CATEGORY 6A UTP PCB PUNCH DOWN PATCH PANEL



Norden Category 6A Unshielded PCB Punch Down Patch Panel surpasses TIA and ISO standards, ensuring exceptional performance for LAN, multimedia, and Power over Ethernet applications. It facilitates easy termination using a Krone or 110 punch down tool, with color-coded labels for both 568A and 568B wiring schemes. Built to meet critical cabling parameters such as NEXT, FEXT, attenuation, and return loss, this panel is compatible with 23-26 AWG stranded and solid conductors. With a 1U height, it fits standard 19" server racks, and its IDC dual contacts help reduce crosstalk. The panel also features horizontal termination and clear markings for straightforward installation.



*Picture for reference only.

COMPLIANCE

IEEE 802.af, IEEE 802.3at for PoE applications.
ISO/IEC 11801, ANSI/TIA 568.2-D

DESIGN & TECHNICAL DETAILS

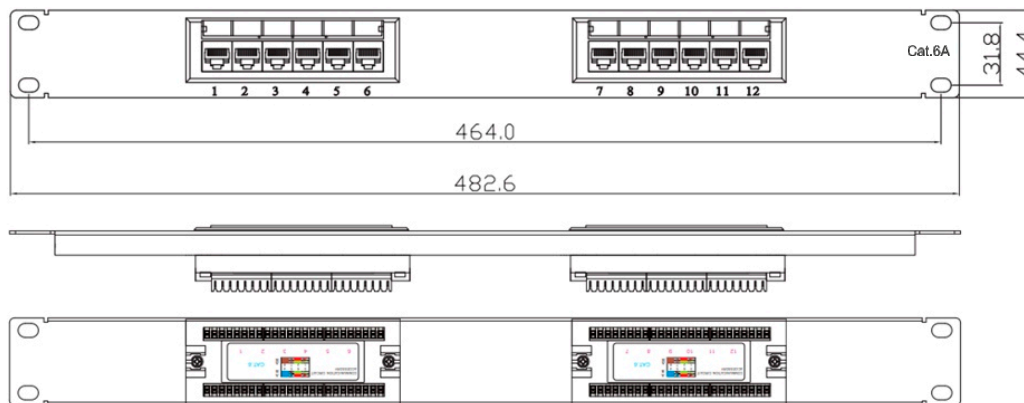
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|-----------------------------------|---|
| Panel Type | Flat |
| Panel Style | PCB Based Loaded |
| Mounting Style | Punch Down |
| Panel Width | 482.6 mm |
| Panel Height | 1U , 44.4 mm |
| Panel Depth | 33.1 mm |
| Outlets | 12 |
| Panel Material | SPCC, 1.5mm |
| RJ45 Housing Material | PBT |
| RJ45 Contact Material | Phosphor Bronze with 50 – 60" Nickel plated |
| RJ45 Contact Area | Min.3mm 3" Gold plated |
| IDC Housing Material | PC |
| IDC Terminal Material | Phosphor Bronze with 50" Tin-Lead plated over 50-60" Nickel plate |
| IDC Wire Gauge | 23-26 AWG stranded & solid wire |
| Jack Bracket Material | ABS, Black |
| Insertion Force | 900 grms for 8 contacts |
| Retention Strength | 7.7 kgs between Jack and Plug |
| RJ45 Durability | 750 mate / unmate cycle |
| Insertion Cycle Rate | Max. 20 cycles per minute |
| Current Rating | 1.5 Amps |
| Voltage Rating | 125V |
| Dielectric withstand Voltage | DC1000V/AC750V 1Min |
| Insulation Resistance | ≥ 500 MΩ |
| Contact Resistance | ≤ 100 mΩ |
| Contact Resistance Test Frequency | Every 100 cycles |
| Operating Temperature | -20 °C to +60 °C |

STANDARDS

| | |
|------------------|---------------------------|
| Wiring Standards | EIA/TIA 568 A/B |
| Rating | ISO/IEC11801, TIA/EIA 568 |

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DRAWING



ORDERING INFORMATION

| Part Number | Description |
|---------------|---|
| 121-41B18012L | Category 6A UTP PCB Punch Down Patch Panel 12 Port 19"inch Loaded |