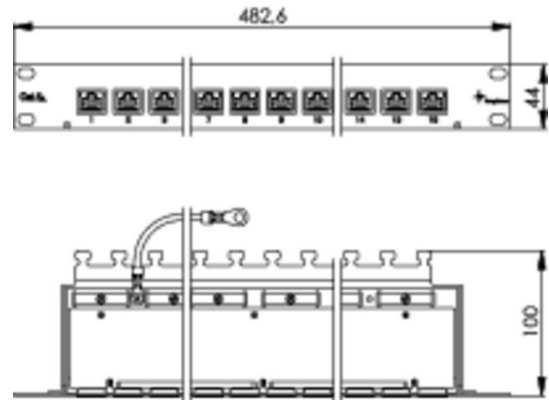


order number: J02022A0050

19" Patch Panel MPP16-HS K Cat. 6<sub>A</sub>



REAL-TIME  
RE-EMBEDDED

Technical Attributes	
Short name	MPP16-HS K Cat. 6 <sub>A</sub>
Type	16xRJ45 shielded
Colour	light grey RAL 7035

### Performance Characteristics

- 19"/10" rack mount unit 1 HU with 12, 16 or 24 RJ45 jacks assembled on one common PCB
- no special tooling required for mounting of cover (shielded type)
- printed circuit board is mounted horizontally
- grounding using the enclosed earth connection cable (shielded types)
- cables are terminated via IDC (LSA Plus) terminals with colour coding acc. to EIA/TIA 568 A and B
- 360° shielding can be connected directly on the PCB on a large contact spot using screw clamps, without need of twisting the shielding braid (shielded type)
- risk of short-circuit between screening braid and data leads is minimized due to sufficient space between data terminals and screening contact
- limit of 13 mm max. of untwisted length of data leads can be easily achieved without restricting an easy installation
- enclosed cable ties for strain relief of the cables without need of screws and special tools
- modular jacks are numbered on the front panel
- housing is made of steel and powder-laminated in light grey (RAL 7035) or black; the cover is made of stainless steel
- Cat.6<sub>A</sub>-, Class E<sub>A</sub> 500 & Cat.6A types with overbending protection: >750 mating cycles with

RJ45/RJ11/RJ12 plugs

Mechanical Characteristics	
Insertion force	≤ 30 N
Durability (mating cycles)	≥ 750
Material: housing	sheet steel powder coatet
Material: housing mini distributor	
Material: housing mini distributor 3HU	
Material: cover (shielded type)	stainless sheet steel
Material: insulators	PA, PBT, PBP, PE
Material: PCB	FR4
Material: PCB finish	tin plated
Material: contact spring	CuSn, spring steel
Material: contact spring finish	min. 0,8 µm Au on 1,2 µm Ni
Material: contact IDC termination	CuZn
Material: IDC termination finish	tin plated
LSA Plus: Cu conductor diameter	solid 0,40 - 0,65 mm AWG 26/1 - AWG 22/1
LSA Plus: Wire diameter	0.7 - 1.6 mm

Electrical Characteristics	
Contact resistance	≤ 20 mΩ
Insulation resistance	≥ 500 MΩ
Voltage proof: contact-contact	≥ 1000 V, DC
Voltage proof: contact-shield	≥ 1500 V, DC
Current carrying capacity at 50°C	1 A
PoE+ acc to IEEE 802.3at	Cat.6 <sub>A</sub> , Cat.6A; Cat.6/Class E: PoE+; Cat.5e: PoE

Standards	
Connectors	IEC 60603-7-51 / -7-5 / -7-3 / -7-41

Transmission Chracteristics	

Category 6 <sub>A</sub> (component) for products Cat.6 <sub>A</sub>	ISO/IEC 11801, DIN EN 50173-1
Class E <sub>A</sub> (Permanent Link) for products Cat.6 <sub>A</sub> , Cat.6A, Class E <sub>A</sub> 500	ISO/IEC 11801, DIN EN 50173-1
Class E <sub>A</sub> (Channel) for products Cat.6 <sub>A</sub> , Cat.6A, Class E <sub>A</sub> 500	ISO/IEC 11801, DIN EN 50173-1
Category 5e	ISO/IEC 11801, DIN EN 50173-1
Category 3	-
Gigabit Ethernet acc. to IEEE 802.3	fulfilled
10 Gigabit Ethernet acc. to IEEE 802.3an	for Cat.6 <sub>A</sub> , Cat.6A, Class E <sub>A</sub> 500