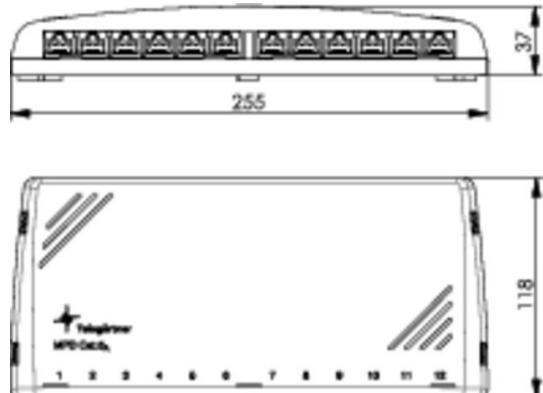


order number: J02022A0053

Mini Distributor MPD12-HS K Cat.6A, light grey RAL 7035



Technical Attributes	
Short name	MPD12-HS K Cat.6A
Type	shielded
Colour	light grey RAL 7035

### Product description

Networks which have a small number of participants require simple and cost-effective distributors without 19" racks and separate EDP rooms. For this purpose we have developed distributors which are suitable as cable distributors or as connection devices for groups of participants at their workdesk. Up to 12 participants can be connected using shielded or unshielded installation cabling.

The cables can be led into the housing from behind or from below; the distributor can be affixed to the wall, in a cable duct or simply placed on to the desk. A 19" rack mount version (with 3 HU) is also available.

### Performance Characteristics

- Mini distributor MPD6 and MPD12 with 6 resp. 12 RJ 45 jacks assembled on one common PCB
- Mini distributors MPD8 AMJ/UMJ and MPD12 AMJ/UMJ for 8 resp. 12 AMJ/UMJ modules or couplers
- printed circuit board is mounted horizontally in the housing, shielded versions are provided inside with a metal shielding cover; in addition, an earth connection cable can be connected to the PCB (with screw M4)
- no special tooling required for mounting of cover (shielded type)

- enclosed cable ties for strain relief of the cables without need of screws and special tools
- 360 degrees shielding of MPD-HS can be connected directly on the PCB on a large contact spot using a screw clamp without need of twisting the braid
- cables are terminated via IDC (LSA Plus) terminals with colour coding acc. to EIA/TIA 568A and B
- limit of 13 mm max. of untwisted length of data leads can be easily achieved without restricting an easy installation
- housing made of thermoplastic, halogene-free, with non-slip bumpers
- shielding cover made of stainless steel
- 19" rack-mount design size 3 HU/8 PU with 6xRJ45 and 3 HU/10 PU with 12xRJ45 available, front plate anodized aluminum
- Cat.6A- & Cat.6A types with overbending protection: suitable for 6- (RJ11/12) and 8-pin connectors (RJ45); can be used in the modular jack without additional installation kits.

Mechanical Characteristics	
Insertion force	≤ 30 N
Durability (mating cycles)	≥ 750
Material: housing	
Material: housing mini distributor	ABS
Material: housing mini distributor 3HU	stainless sheet steel
Material: cover (shielded type)	stainless sheet steel
Material: insulators	PBT
Material: PCB	FR4
Material: PCB finish	tin plated
Material: contact spring	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	PoE+

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

Transmission Characteristics	
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	-
Category 3	-
Gigabit Ethernet acc. to IEEE 802.3	-
10 Gigabit Ethernet acc. to IEEE 802.3an	for Cat.6 <sub>A</sub>