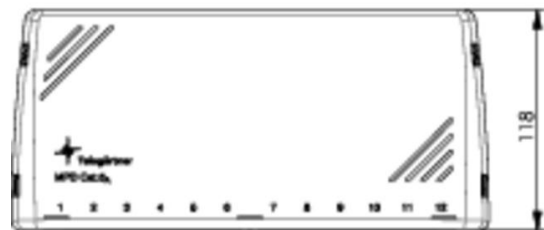


order number: J02022A0053

Mini Distributor MPD12-HS K Cat.6<sub>A</sub>, light grey RAL 7035



| Technical Attributes |                               |
|----------------------|-------------------------------|
| Short name           | MPD12-HS K Cat.6 <sub>A</sub> |
| 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.6<sub>A</sub>- & 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>        |