

RJ45 distribution enclosure/ consolidation point CobiNet RJ45-TL[®], Cat. 6_A, 12-fold

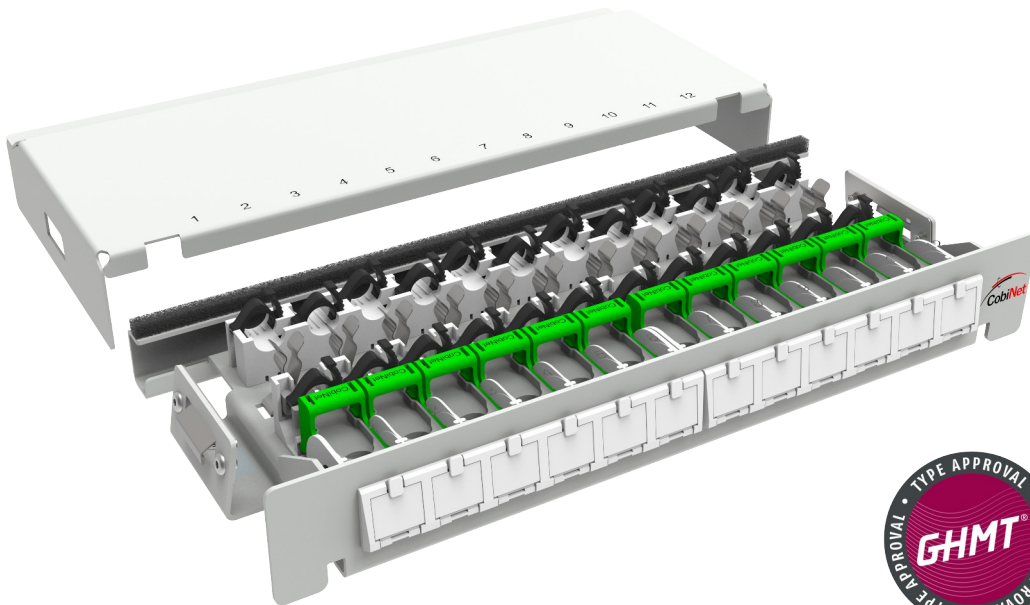
Application

The CobiNet RJ45-TL[®] distribution box is an integral part of CobiNet's tool-free connection technology. It enables cost-effective and time-saving installation of service-neutral cabling with a transmission capacity of up to 10 Gbps. It enables high cost savings compared to the use of single jacks and blank panels. This is achieved through the use of the common shielding enclosure, the one-finger wiring of the wire pairs through a lever and the innovative strain relief clips, which eliminate the time-consuming use of cable ties.

The small distributor is compliant with the ISO Cat. 6A component standard and offers large performance reserves. This allows a safe operation with a wide range of installation cables.

In addition, the CobiNet RJ45-TL[®] distribution box enables the safe operation of Power-over-Ethernet applications. The RJ45 sockets are optimised for PoE applications up to 90 watts (according to IEEE 802.3bt/Type 4/4PPoE).

The step-resistant, robust small distribution box can be used as a consolidation point in false floors and false ceilings. In addition, it can be mounted on a DIN rail T35 as a mini distributor with the optional DIN rail adapters (art. no.: 107422).



Installation video:



Features and design

- Better than Cat. 6_A according to ISO/IEC 11801- 1:2017, DIN EN 50173-1:2018-10,
- DIN EN 60603-7-51:2011-01; TIA/EIA 568-C.2 (Cat. 6A component standard)
- Category 6_A performance independently tested and proven by GHMT type approval
- 12 shielded RJ45 jacks
- Cover removable and mountable without screws due to integrated snap-in mechanism
- 12 lockable dust protection flaps, optionally available in different colours for marking individual ports or services (e.g. PoE ports, VoIP, WLAN access-points...)
- Time-saving and simple tool-free wiring of the individual data cables
- Wiring according to T568A and T568B
- Tin-plated LSA insulation displacement terminals
- Suitable for wires AWG 22-24
- Reconnectable, e.g. in case of incorrect assignment
- 360° shield connection by means of clamping mechanism
- Port numbering with digits 1...12
- Earthing bolt with M6 nut
- Colour: RAL 7035 (light grey)

Technical data

Climate range

Use in dry or humid rooms without condensation.

- Temperaturbereich
 - For storage.....-40 up to +70 °C (-40 bis 158 °F)
 - Bei Betrieb.....-15 up to +60 °C (5 bis 140 °F)

Mechanische Daten

- Material
 - Enclosure.....Sheet steel, powder-coated
 - RJ45 contacts.....High-performance copper-based alloy, contact surface > 1 µm gold
 - LSA contacts.....CuSn, tinned
- Permissible wire diameters, solid.....AWG 22 up to AWG 24
- Permissible wire diameter, stranded wire.....AWG 24/1 up to AWG 22/1
- Permissible insulation diameter.....0,8 up to 1,6 mm
- Min. plug-in cycles according to ISO/IEC 11801 2nd Edition.....> 1000
- Dimensions
 - Wide.....26,4 mm
 - High.....39 mm
 - Depth.....12,3 mm
- Weight.....1,0 kg

Transmission & electrical data

- Better than Cat. 6_A according to ISO/IEC 11801- 1:2017, DIN EN 50173-1:2018-10, IEC 60603-7-51:2020
- Cat.6_A re-embedded tested according to IEC 60512-27-100
- Transmission link (channel link) or installation link (permanent link) class EA according to ISO/IEC 11801- 1:2017 and DIN EN 50173-1:2011-09
- PoE suitable up to 100 watts according to IEEE 802.3af/IEEE 802.3at/IEEE 802.3bt (4PPoE)
- Dielectric strength according to IEC 60603-7 >1000 V
- Insulation resistance according to IEC 60603-7 > 500 MΩ (500 VDC)
- Contact resistance according to IEC 60603-7 <5 mΩ
- ISO/IEC 11801- 1:2017 Information technology - Application-neutral premises cabling.
- DIN EN 60603-7-51:2011-01 Jacks for electronic equipment - Part 7-51: Type specification for shielded free and fixed jacks, 8-pole, for data transmissions up to 500 MHz

Accessories

DIN rail adapter for DIN TH35	107422
Strain relief plate for patch cables	127069