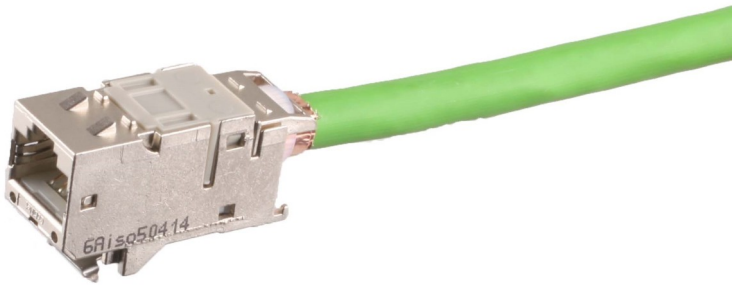
CobiNet
Producing Network Performance

RJ45 jack CobiNet KS ICS 500, Cat 6_A, 500 MHz, GHMT-PVP-certified, 50 piece bulk pack

Application

The CobiNet KS ICS 500 RJ45 jack is part of CobiNet's modular connection technology and fits into all patch panels, junction boxes, module carriers for DIN rails, support frames for underfloor systems and other components in the KS product system.

The RJ45 jack is suitable for neutral cabling and supports 10 Gigabit Ethernet with a high performance margin. The contact layout is optimised for PoE applications up to 100 watts. Thanks to its design, the jack can be installed easily, quickly, and efficiently, saving valuable installation time.





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Features and Design

- GHMT-PVP-certification (Premium Verification Program)
- Better than Cat. 6_A to ISO/IEC 11801- 1:2017, DIN EN 50173-1:2018-10-, DIN EN 60603-7-51:2011-01
- Cat.6_A re-embedded tested to IEC 60512-27-100
- Channel link or permanent link performance according to class E_A ISO/IEC 11801- 1:2017 and DIN EN 50173-1:2018-10
- PoE/PoE+/PoE++ (IEEE 802.3af/IEEE 802.3at/IEEE 802.3bt (4-pair PoE)) up to 100 watts
- Time-saving and easy installation without special tools
- Stable, compact and completely self-contained zinc die casting in Keystone format
- Colour coding according to T568A and T568B
- Separate strain relief and 360° shield coverage
- Gold-plated RJ45 contact area
- Tin-plated 45-degree LSA contact for minimal cross-section of the conductor and maximum contact reliability by torsion and restoring forces
- Suitable for receiving conductors AWG 22-26
- Rewiring possible, e.g. on wiring error
- RJ11- and RJ12-suitable
- Cable attached to the module 180° as standard, optional convertible to 90° (Item number 90°-adapter: 6929 9000)
- Grounding of jack by optional flat plug sleeve (2.8 mm) is possible
- Strain relief with pre-mounted cable
- Supplied in bulk pack of 50 pieces

Technical Specification

Climate area

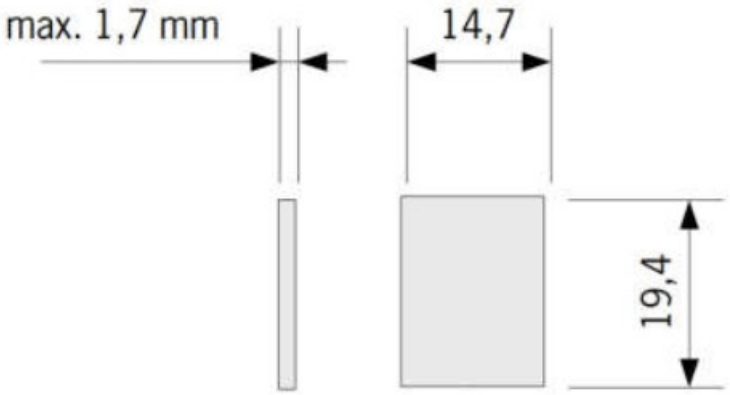
For application in dry or damp rooms without condensation

- Temperature range during storage.....-40 to +70 °C (-40 to 158 °F)
- Temperature range during operation.....-10 to +60 °C (14 to 140 °F)

Mechanical values

- Material
  - RJ45 contacts.....high-performance copper alloy, contact surface > 1 µm gold
  - LSA contacts.....CuSn, tin-plated
- Allowed wire diameter, solid wire.....AWG 24/1 to AWG 22/1
- Allowed wire diameter, stranded wire.....AWG 26/7 to AWG 24/7
- Allowed insulation diameter.....0.8 to 1.6 mm
- Min. RJ45 plug cycles according to ISO/IEC 11801 2nd Edition.....> 1000
- Dimensions
  - Width.....14.5 mm
  - Height.....27.7 mm
  - Depth
    - Without 90°-adapter.....38 mm
    - With 90°-adapter.....41 mm

Cut-out dimensions



Electrical values

- Better than Cat. 6_A according to ISO/IEC 11801 AMD2:2010-04, DIN EN 50173-1:2011-09, DIN EN 60603-7-51:2011-01, IEC 60603-7-51:2010-03
- Cat.6_A re-embedded tested according to IEC 60512-27-100
- Channel link or permanent link performance according to class E_A ISO/IEC 11801 AMD2:2010-04 and DIN EN 50173-1:2011-09
- PoE suitable to IEEE 802.3 at and PoE+ to IEEE 802.3 at
- Electric strength according to IEC 60603-7.....> 1000 V
- Insulation resistance according to IEC 60603-7.....> 500 MΩ (500 V_{DC})
- Contact resistance according to IEC 60603-7.....< 5 mΩ

GHMT-PVP certification to Cat. 6_A up to 500 MHz

- ISO/IEC 11801 AMD2:2010-04 Information technology - Generic cabling for customer premises
- ISO/IEC 60603-7-51:2011-01 Connectors for electronic equipment - Part 7-51: Detail specification for 8-way, shielded, free and fixed connectors, for data transmissions with frequencies up to 500 MHz Technical specification