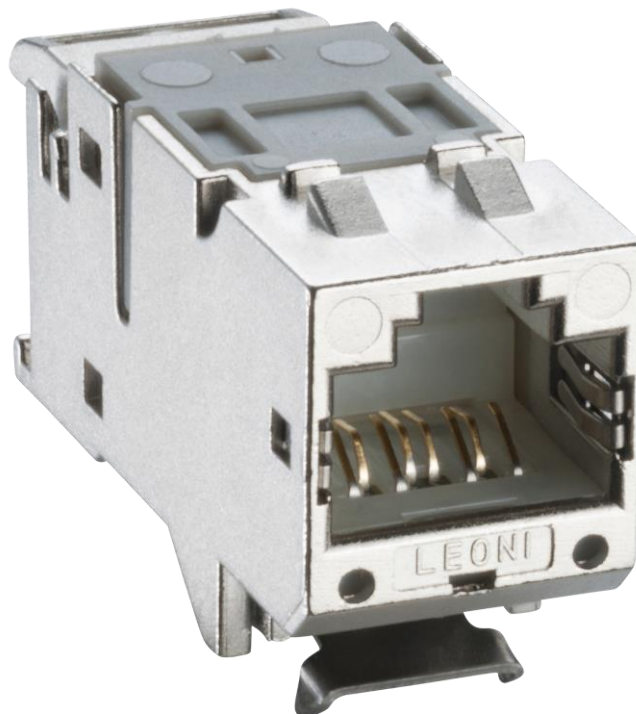


KEYSTONE JACK CAT.6A (QTY: 50 pcs.).....LKD 9ZQ01000 0000
90°-ADAPTER FOR KEYSTONE JACK CAT.6A (QTY: 20 pcs.) LKD 9ZQ01001 0000

Application

The RJ45 Keystone jack is part of the Keystone connection system and fits in all wall outlets and patch panels of this product line.

The RJ45 module is suitable for application-independent wiring and supports 10-GBit Ethernet.



Features & design

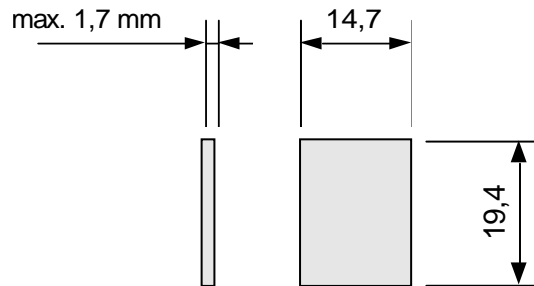
- Better than cat. 6_A acc to ISO/IEC 11801 AMD2:2010-04, DIN EN 50173-1:2011-09, DIN EN 60603-7-51:2011-01, IEC 60603-7-51:2010-03
- Cat.6_A re-embedded testet acc. to IEC 60512-27-100
- Channel link or permanent link performance acc. to class E_A ISO/IEC 11801 AMD2:2010-04 and DIN EN 50173-1:2011-09
- PoE acc. to IEEE 802.3 af and PoE+ acc. to IEEE 802.3 at
- AVB standard (audio / video / bridging) acc. to IEEE 802.1
- Time-saving and easy installation without any special tools
- Stable, compact and completely self-contained zinc die casting in Keystone format
- Colour coding acc. to T568A and T568B
- 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
- Cable attached to the module 180° as standard, optional convertible to 90° (LKD 9ZQ01001 0000)
- Earthing connection
- Certified by GHMT

Technical specifications

Mechanical values

- Material
 - RJ45 contacts high performance copper alloy, contact surface >1 µm gold
 - LSA contacts CuSn, tin-plated
- Allowed wire diameter, solid wireAWG 26 to AWG 22
- Allowed wire diameter, stranded wire.....AWG 26/7 to AWG 22/7
- Allowed insulating diameter0.8 to 1.6 mm
- min. RJ45 plug cycles acc. to ISO/IEC 11801 >1000
- Dimensions
 - Width..... 14.5 mm
 - Height..... 21.8 mm
 - Depth
 - without 90°-adapter..... 38.0 mm
 - with 90°-adapter..... 41.0 mm

Cutout dimensions



Electrical values

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

Climate area

For applications 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)

GHMT certificate acc. to category 6_A up to 500 MHz

- ISO/IEC 11801 AMD2:2010-04 information technology – generic cabling for customer premises
- DIN EN 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

MegaLine® Connect45 PRO

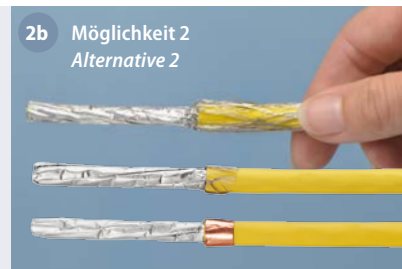
Montageanleitung | Installation instruction



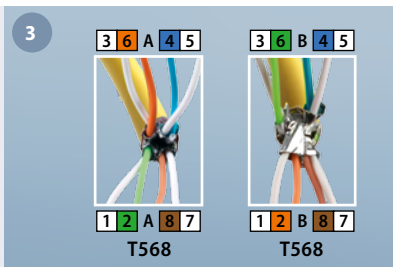
1 Kabelmantel ca. 30 mm absetzen.
Strip the outer sheath approx. 30 mm.



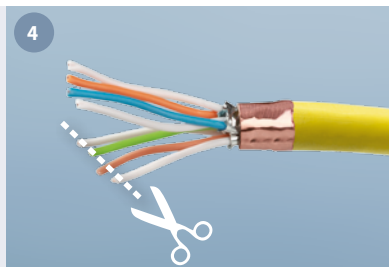
2a Möglichkeit 1
Alternative 1
Schirmgeflecht zurückschieben und mit Isolierband fixieren.
Push back the copper braid and fix it with tape.



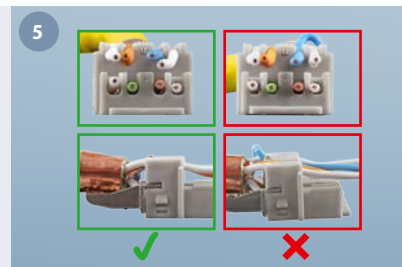
2b Möglichkeit 2
Alternative 2
Alternativ Schirmgeflecht zurückschieben, auf 5 mm kürzen und mit selbstklebender Kupferfolie fixieren.
Alternatively push back the copper braid, cut it to 5 mm and fix it with self-adhesive copper foil.



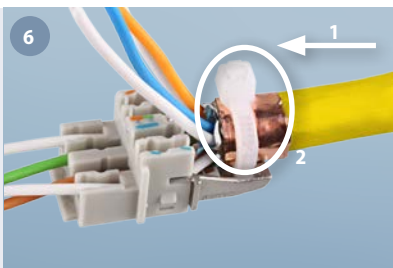
3 Adernpaare nach gewünschtem Farbcode vorsortieren. Paarschirmung auf 2 mm kürzen.
Arrange the wires according to the wanted colour code. Shorten the pair foils to 2 mm.



4 Adern 1/2 und 7/8 schräg abschneiden.
Trim the wire pairs 1/2 and 7/8 bevel.



5 Es ist darauf zu achten, dass die Adern an der Oberseite nicht über den Adersortierer hinausstehen.
Please make sure that the wires at the top do not overlap at the cable sorter.



6 Adern in unteren Teil des Adersortierers einführen und Kabel bis zum Anschlag schieben. Kabel mit Kabelbinder fixieren und bündig abschneiden.
Feed the wires in the bottom part of the cable sorter and push the cable to stop. Fix the cable by using a cable strap and cut it flush.



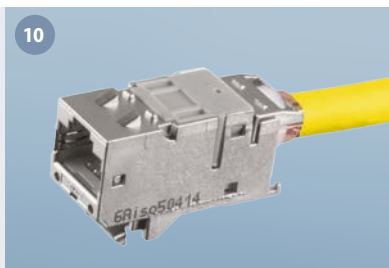
7 Adern in oberen Teil des Adersortierers entsprechend dem Farbcode eindrücken.
Push in the wires according to the colour code in the upper part of cable sorter.



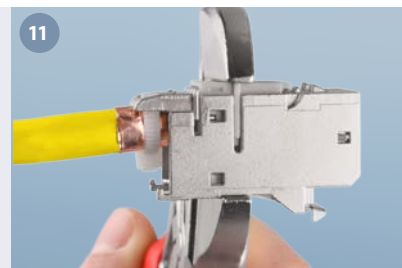
8 Adern bündig am Adersortierer abschneiden.
Trim wires flush with the cable sorter.



9 Komplett installierter Adersortierer.
Completely installed cable sorter.



10 Deckel auf Buchse setzen und verpressen. Deckel nicht verkanten!
Put the cover on the jack and press the parts together. Don't tilt the cover!

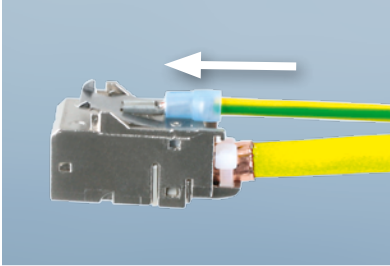


11 Presswerkzeug als Zubehör erhältlich.
Press tool available as accessory.

MegaLine® Connect45 PRO

Montageanleitung | Installation instruction

Erdung | Grounding

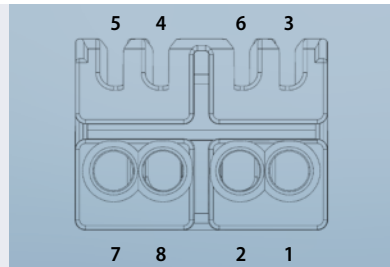


Erdung nach DIN 46342-1
Kabelschuh (2,8 mm x 0,5 mm) an Erdkabel anbringen.
Erdkabel auf Zunge am Raster schieben.

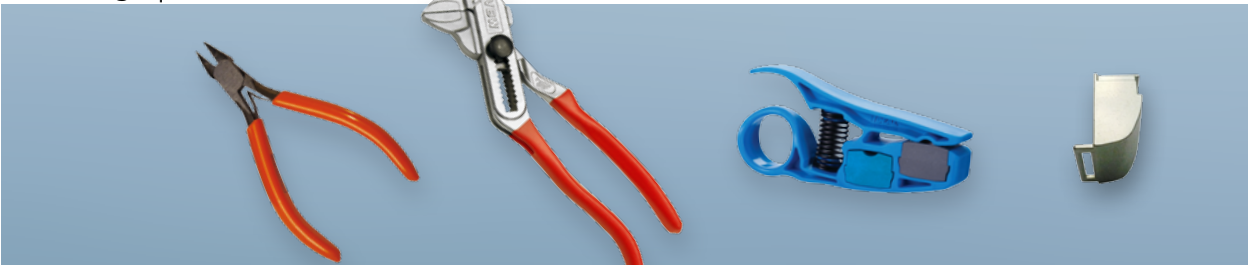
Grounding according to DIN 46342-1
Assembly cable shoe (2.8 mm x 0.5 mm) at the cable.
Push cable shoe on the tongue of the clip.

Anwendungen | Applications

Anschluss Connection		Anwendung Application					
Farbcode Colour code		PROFINET	RJ45-Pin	Ethernet 10BT Fast Ethernet 100BT	1 Gigabit / 10 Gigabit Ethernet	Token Ring ISDN / S ₀	Upo / TEL
T568							
A	B						
W-G	W-O	YE	1	■	■		
G	O	OG	2	■	■		
W-O	W-G	WH	3	■	■	■	
BL	BL	—	4		■	■	■
W-BL	W-BL	—	5		■	■	■
O	G	BU	6	■	■	■	
W-BR	W-BR	—	7		■		
BR	BR	—	8		■		



Werkzeuge | Tools



	Watenfreier Seitenschneider <i>Edge free cutter</i>	Parallelverpresszange <i>Assembly tool</i>	Abmantelwerkzeug <i>Stripper</i>	90°-Adapter <i>90° adapter</i>
Bestell-Nr. Order-No.:	LKD 9ZE3 0012 0000	LKD 9A90 4000 0000	LKD 9AW1 6045 0000	LKD 9ZQ0 1001 0000