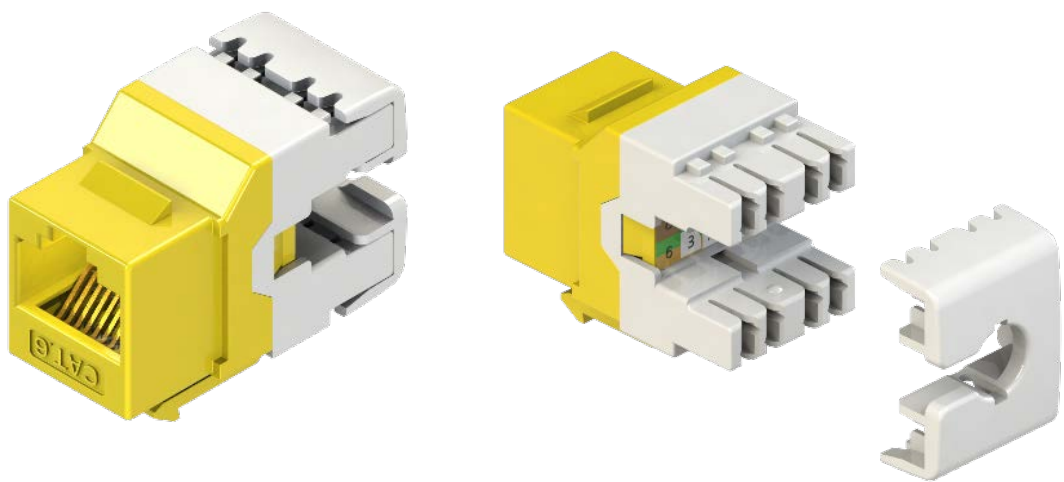


Technical Data Sheet

180 ° UTP Permanent-Link Keystone Jack, Punch-Down



Features

- High-Density design for 1U-24port keystone panel, extreme performance design for Hyper-Scale and Edge Data Center
- High headroom on ANSI/TIA-568.2-D and ISO/IEC 11801-1 Channel and Permanent-Link including the 4PPoE performance
- T568A & B wiring
- Power over HDBaseT (PoH) applications up to 100 watts
- UL 1863 verified

Standards Compliance

- ANSI/TIA-568.2-D
- ISO/IEC 11801-1, Class D / E / EA
- IEC 60603-7
- IEC 60512-99-002
- IEEE 802.3bt Type 4 PoE++ (4PPoE) 100 watts
- ANSI/TIA-1096-A (formerly FCC Part 68)
- UL1863
- RoHS / REACH compliant

Part Number

Descriptions

AADDB 31113 310XX **KJ18-CE-US/xx** 180 ° Cat.5E UTP Permanent-Link Keystone Jack, Punch-Down

AADDB 31114 310XX **KJ18-C6-US/xx** 180 ° Cat.6 UTP Permanent-Link Keystone Jack, Punch-Down

XX = Housing color, 01=Black, 02=Gray(RAL7030), 03=Red(RAL3003), 05=White(RAL9003), 06=Yellow(RAL1018), 07=Blue(RAL5012), 08=Green(RAL6016), 09=Orange(RAL2012), 13=Ivory(RAL1014)

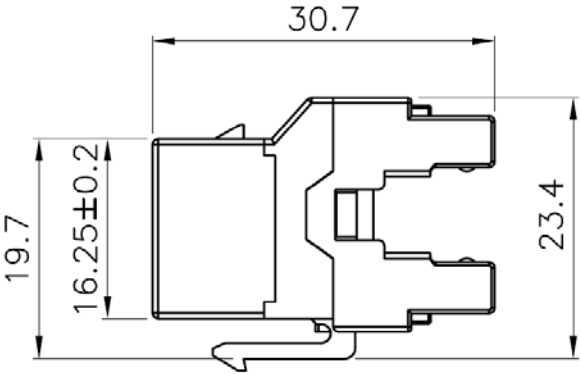
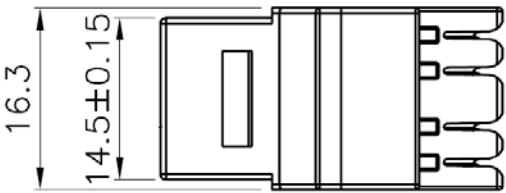
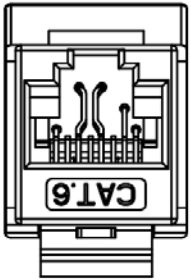
Packing Information

- 1 keystone jack, 1 IDC-Cap & 1 Cable-Tie per bag
- 50 bags, 1 Punch-Support-Fixture & 1 Installation-Instruction per box
- 10 boxes per carton (500pcs / carton)
- Net weight 4.6 kgs per carton
- Gross weight 7.0 kgs per carton
- Carton size L48.0 x W39.0 x H25.3cm, 1.67 CUFT, 0.047CBM

Dimensions

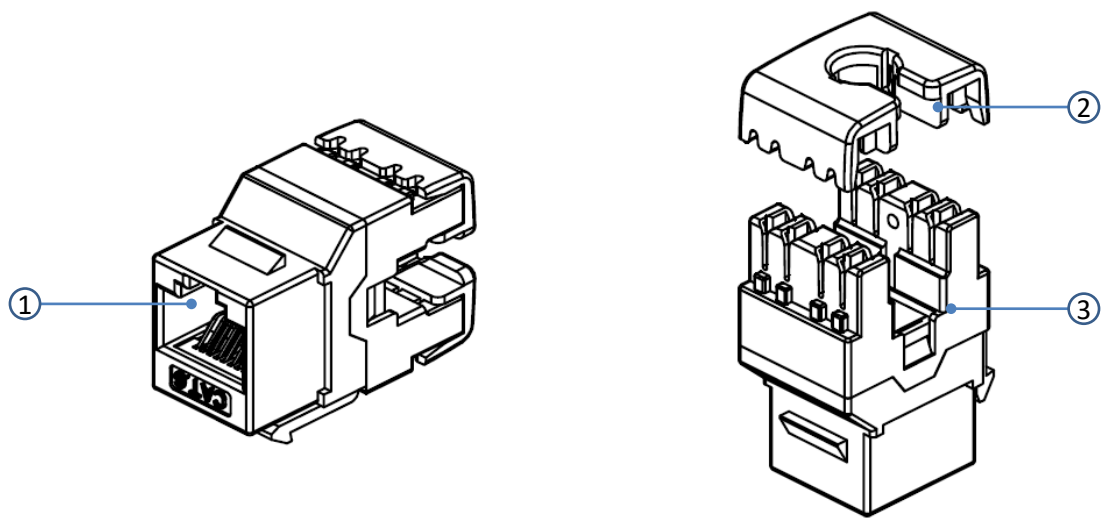
Unit: mm

Tolerance: ±0.3mm



Technical Data Sheet

180 ° UTP Permanent-Link Keystone Jack, Punch-Down



Material Specifications

Parts

- 1. RJ45 jack
 - 1-1. Housing
 - 1-2. Contacts bracket
 - 1-3. Contacts material
 - 1-4. Contacts gold plating
- 2. IDC-Cap
- 3. IDCs
 - 3-1. Housing
 - 3-2. Terminals
- 4. PCB

Specifications

ABS/PC, UL94V-0, optional color
Polycarbonate, UL94V-2, transparent color
Phosphor bronze with nickel plating
50 micro-inch gold plating on surface of plug contact area
Polycarbonate, UL94-HB, white color

Polycarbonate, UL94V-2
Phosphor bronze with tin plating
FR4, UL94V-0

Mechanical Characteristics

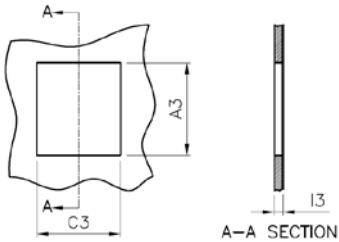
- Life (Mating cycles) ≥ 750 cycles
- Mating / Un-mating force $\leq 20N$
- Retention strength 7.7kg between jack and plug

Mounting Dimensions

Letter	Max. mm	Min. mm
A3	19.61	19.30
C3	15.04	14.78
I3	1.54	1.22

Installation Information

- Wire conductor range Solid and stranded, 23-26AWG
- Cable OD range 5.0mm to 8.5mm
- IDC re-installing cycles ≥ 20 cycles
- Punch-Down tool Both Krone LSA or 110 Punch-Down tool
- Installing temperature $0^{\circ}C$ to $50^{\circ}C$ ($32^{\circ}F$ to $122^{\circ}F$)
- Storage temperature $-40^{\circ}C$ to $70^{\circ}C$ ($-40^{\circ}F$ to $158^{\circ}F$)
- Operating temperature $-10^{\circ}C$ to $60^{\circ}C$ ($14^{\circ}F$ to $140^{\circ}F$)
- Humidity 10% to 90%RH



Electrical Characteristics

- Contact resistance $\leq 20\ m\Omega$, from initial
- Insulation resistance $\geq 500\ M\Omega$ at 100 Vd.c., for 60sec.
- Voltage proof contact to contact 1000 Vd.c., for 60sec.
- Current carrying capacity 1.0A at $60^{\circ}C$ ($140^{\circ}F$)
- UL voltage rating 150V
- PoE 60Vd.c., IEEE 802.3bt Type 4 PoE++ (4PPoE) 100 watts