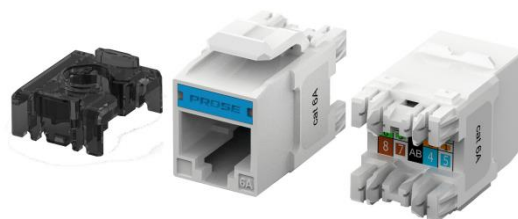


## Application

Prose CAT.6A keystone jacks are components of the cabling system. They are applied in structured premise cabling and data center cabling and used with outlet faceplate and modular patch panel. It guarantees 500MHz bandwidth for 10Gbps transmission application, and compatible backwards with all current Ethernet applications.

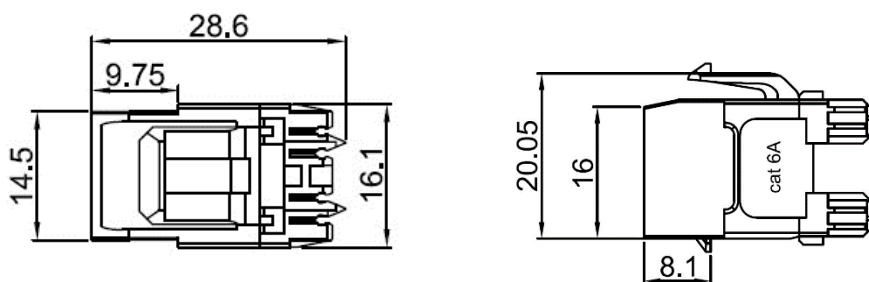
## Profile/Outline



## Characteristic

- Prose Cat.6A keystone jacks meet and exceed ANSI/TIA-568.2-D and ISO/IEC 11801 requirements.
- Outstanding performance,(including IR, NEXT, FEXT and RL), which ensure the high link performance.
- Termination cap provides excellent strain relief, helps control cable bend radius and securely retains wires.
- Wiring scheme: T568 A/B.
- Available in many colors for label.
- EU RoHS compliance.
- Other standards: FCC part 68, Subpart F, IEC 60603-7, EN50173-1.

## Dimension



## Electrical Performance at 20°C

|                       |                       |
|-----------------------|-----------------------|
| Voltage rating        | 125 VAC RMS           |
| Current rating        | 1.5 AMP               |
| Contact resistance    | 20 mΩ Max.            |
| Insulation resistance | 100MΩ Min. @ 500V DC  |
| Dielectric strength   | 750V AC RMS 60Hz 1MIN |
| Unbalance capacitance | ≤330pF/100m           |

### Mechanical Performance

|                     |                  |
|---------------------|------------------|
| Housing material    | PC UL94V-0       |
| Insert material     | PC+20%GF UL94V-0 |
| PCB material        | FR-4             |
| Contact material    | Phosphor bronze  |
| Wire                | AWG 22 ~ 26      |
| Life (plug in /out) | ≥ 750 times      |
| IDC life            | ≥ 200 times      |

### Transmission Performance

| Frequency<br>(MHz) | Attenuation<br>(dB/100m) | NEXT<br>(dB) | RL<br>(dB) | PSNEXT<br>( dB ) | PSANEXT<br>(dB) | FEXT<br>(dB) | PS AFEXT<br>(dB) |
|--------------------|--------------------------|--------------|------------|------------------|-----------------|--------------|------------------|
|                    | Max.                     | Min.         | Min.       | Min.             | Min.            | Min.         | Min.             |
| 1                  | 0.10                     | 75.0         | 30.0       | 90.0             | 67.0            | 75.0         | 67.0             |
| 4                  | 0.10                     | 75.0         | 30.0       | 78.0             | 67.0            | 71.1         | 67.0             |
| 8                  | 0.10                     | 75.0         | 30.0       | 71.9             | 67.0            | 65.0         | 67.0             |
| 10                 | 0.10                     | 74.0         | 30.0       | 70.0             | 67.0            | 63.1         | 67.0             |
| 16                 | 0.10                     | 69.9         | 30.0       | 65.9             | 67.0            | 59.0         | 67.0             |
| 20                 | 0.10                     | 68.0         | 30.0       | 64.0             | 67.0            | 57.1         | 67.0             |
| 25                 | 0.10                     | 66.0         | 30.0       | 62.0             | 67.0            | 55.1         | 67.0             |
| 31.25              | 0.11                     | 64.1         | 30.0       | 60.1             | 67.0            | 53.2         | 67.0             |
| 62.5               | 0.16                     | 58.1         | 30.0       | 54.1             | 67.0            | 47.2         | 67.0             |
| 100                | 0.20                     | 54.0         | 28.0       | 50.0             | 67.0            | 43.1         | 67.0             |
| 200                | 0.28                     | 48.0         | 22.0       | 44.0             | 64.5            | 37.1         | 61.0             |
| 250                | 0.32                     | 46.0         | 20.0       | 42.0             | 62.5            | 35.1         | 59.0             |
| 300                | 0.35                     | 42.9         | 18.5       | 38.9             | 61.0            | 33.6         | 57.5             |
| 400                | 0.40                     | 37.9         | 16.0       | 33.9             | 58.5            | 31.1         | 52.0             |
| 500                | 0.45                     | 34.0         | 14.0       | 30.0             | 56.5            | 29.1         | 53.0             |

### Packing Information

|                |                                        |
|----------------|----------------------------------------|
| Weight         | 22 g                                   |
| Included parts | 1 termination bar, 1 cable tie         |
| Packaging      | Individually packaged in a plastic bag |

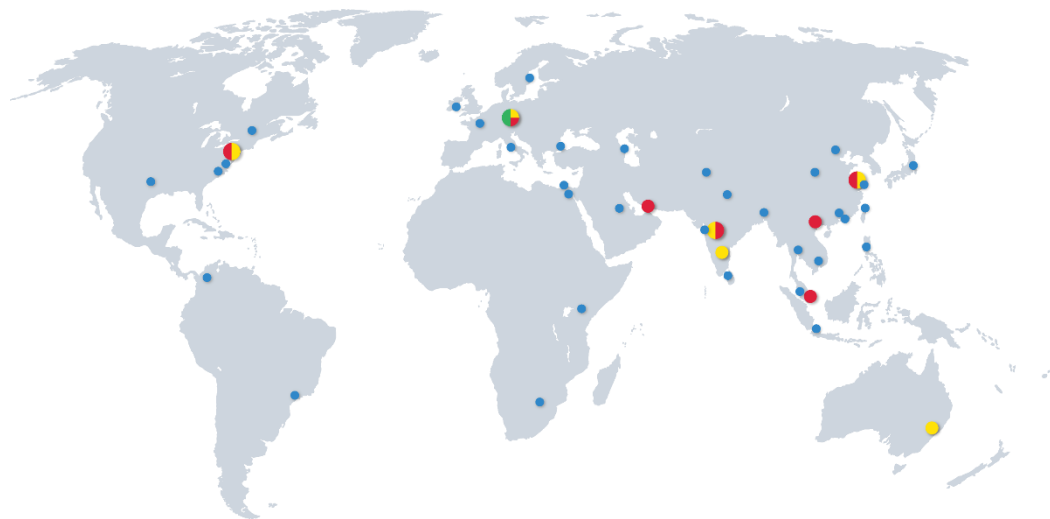
### Ordering Information

| RJ45 Keystone | Category  | - | Structure                                                               | Feature                                          | Port Feature                                | - | Degree                        | Color (logo piece)                                                                                     |
|---------------|-----------|---|-------------------------------------------------------------------------|--------------------------------------------------|---------------------------------------------|---|-------------------------------|--------------------------------------------------------------------------------------------------------|
| KS: Keystone  | 6A: Cat6A | - | 1: Unshielded<br>2: Shielded (Zinc alloy)<br>3: Shielded (Copper shell) | 1: Standard<br>2: Toolless<br>3: Direct keystone | 1: Without dust cover<br>2: With dust cover | - | 1: 180 degree<br>2: 90 degree | BL: Blue logo<br>RD: Red logo<br>YL: Yellow logo<br>GN: Green logo<br>GR: Grey logo<br>VL: Violet logo |

For Example:

| Part Number  | Description                                               |
|--------------|-----------------------------------------------------------|
| KS6A-111-1BL | Keystone Jack, RJ45, Cat6A, Unshielded, 180°, Blue logo   |
| KS6A-111-1YL | Keystone Jack, RJ45, Cat6A, Unshielded, 180°, Yellow logo |
| KS6A-111-1RD | Keystone Jack, RJ45, Cat6A, Unshielded, 180°, Red logo    |
| KS6A-111-1GN | Keystone Jack, RJ45, Cat6A, Unshielded, 180°, Green logo  |
| KS6A-111-1VT | Keystone Jack, RJ45, Cat6A, Unshielded, 180°, Violet logo |

## GLOBAL FOOTPRINT



### Headquarters

**Donauwörth - Germany**  
**PROSE Technologies GmbH**  
Add.: Dr.-Friedrich-Drechsler-Straße 14, 86609  
Donauwörth, Germany  
E-mail: [info.eu@prosetechnologies.com](mailto:info.eu@prosetechnologies.com)

### Western Europe

**Dublin - Ireland**  
**PROSE Technologies (Ireland) Limited**  
Add.: 6th Floor, South Bank House, Barrow Street,  
Dublin 4 Ireland  
E-mail: [Info@prosetechnologies.com](mailto:Info@prosetechnologies.com)

### Eastern Europe & Central Asia

E-mail: [info.eeca@prosetechnologies.com](mailto:info.eeca@prosetechnologies.com)

### North America

**New Jersey - America**  
**PROSE Technologies LLC**  
Add.: 550 Clark Drive Budd Lake, NJ 07828, United  
States of America  
Tel: +1 888 840 4066  
E-mail: [info.us@prosetechnologies.com](mailto:info.us@prosetechnologies.com)

### Middle East

**Dubai - UAE**  
**PROSE Technologies DMCC**  
Add.: 3702, Mazaya Business Avenue BB2, JLT, Dubai  
Tel: +971 4 3999168  
E-mail: [info.ae@prosetechnologies.com](mailto:info.ae@prosetechnologies.com)

### Africa

**Nairobi - Kenya**  
**PROSE Technologies Africa (PTY) Ltd**  
Tel: +254 780440410  
E-mail: [info.ke@prosetechnologies.com](mailto:info.ke@prosetechnologies.com)

**Gauteng, (Johannesburg) - South Africa**  
**PROSE Technologies Africa (PTY) Ltd**  
Add.: Building 20, Cambridge Office Park, 5 Bauhina  
Road, Highveld Techno Park Centurion, Gauteng 0169,  
South Africa  
Mobile: +27 725554840  
E-mail: [info.za@prosetechnologies.com](mailto:info.za@prosetechnologies.com)

### South Asia

**Mumbai - India**  
**PROSE Technologies India Private Limited**  
Add.: 403-407, Eco Star, Vishveshwar Nagar,  
Goregaon East, Mumbai, India 400063  
Tel: +91 22-66453000  
E-mail: [info.in@prosetechnologies.com](mailto:info.in@prosetechnologies.com)

**Pune - India**  
**PROSE Technologies India Pvt.Ltd**  
Add.: A-79, Block-A, Horizon Industrial Parks, Phase II,  
MDC Chakan Industrial Area, Khed, Pune, India  
410501  
Tel: +91 2135-635200  
E-mail: [info.in@prosetechnologies.com](mailto:info.in@prosetechnologies.com)

**Bangalore - India**  
**PROSE Technologies India Private Limited**  
Add.: No.494 East End Main Road, Jayanagar IX Block,  
Bangalore, India 560069  
E-mail: [info.in@prosetechnologies.com](mailto:info.in@prosetechnologies.com)

**New Delhi - India**  
**PROSE Technologies India Pvt.Ltd**  
Add.: H-3/157, 2nd Floor, Vikas Puri, New Delhi, India  
110018  
E-mail: [info.in@prosetechnologies.com](mailto:info.in@prosetechnologies.com)

**Dhaka - Bangladesh**  
**PROSE Technologies (Bangladesh) Limited**  
Add.: House-360 (2nd Floor), Lane-5 (East), Baridhara  
DOHS, Dhaka-1206, Bangladesh  
Tel: +880 1977070130  
E-mail: [info.bd@prosetechnologies.com](mailto:info.bd@prosetechnologies.com)

**Islamabad - Pakistan**  
Add.: Unit 514, 5th Floor, ISE Towers, Islamabad,  
Pakistan  
Tel: +92 3335357733  
E-mail: [info.pk@prosetechnologies.com](mailto:info.pk@prosetechnologies.com)

**Sri Lanka**  
Tel: +880 1977070130  
E-mail: [info.lk@prosetechnologies.com](mailto:info.lk@prosetechnologies.com)

### South East Asia

**Selangor - Malaysia**  
**PROSE Technology (M) Sdn. Bhd**  
Add.: Unit 2-1, Level 2, The Podium, Tower 3, UOA  
Business Park, No 1, Jalan Pengaturcara U1/51a,  
Seksyen U1, 40150 Shah Alam, Selangor, Malaysia  
Tel: +60 126859319  
E-mail: [info.my@prosetechnologies.com](mailto:info.my@prosetechnologies.com)

**Bangkok - Thailand**  
**PROSE Technology (Thailand) Co., Ltd**  
Add.: 349 SJ Infinite I Business Complex, 9 Floor, Room  
905, Vibhavadi Rangsit Road, Chom Phon Sun-district,  
Chatuchak District, Bangkok Province, Thailand  
Tel: +66 80 6606630  
E-mail: [info.th@prosetechnologies.com](mailto:info.th@prosetechnologies.com)

**Singapore**  
**PROSE Technologies (Singapore) Pte.Ltd**  
Add.: 10 Anson Road#13-15 International Plaza  
Singapore 079903  
Tel: +6598366793  
E-mail: [info.sg@prosetechnologies.com](mailto:info.sg@prosetechnologies.com)

**Hanoi - Vietnam**  
**PROSE Technologies (Vietnam) Company Limited**  
Add.: Floor 15, Vinaconex 9 Building, HH-2 Block,  
Pham Hung Street, Me Tri Ward, Nam Tu Liem District,  
Hanoi, Vietnam  
Tel: +84 933086498  
E-mail: [info.vn@prosetechnologies.com](mailto:info.vn@prosetechnologies.com)

**Taguig - Philippines**  
**PROSE Technologies Philippines, Inc.**  
Add.: Unit 17 19th Floor Highstreet South Corporate  
Plaza Tower 1, 26th Street corner 9th Avenue, Bonifacio  
Global City, Taguig City, Philippines  
Tel: +63 27572762  
E-mail: [info.ph@prosetechnologies.com](mailto:info.ph@prosetechnologies.com)

**Jakarta - Indonesia**  
**PT. PROSE Technologies Indonesia**  
Add.: Plaza Sentral 6th Floor, Jalan Jenderal Sudirman  
No. 47, Jakarta 12930, Indonesia  
Tel: +62 21 57901997  
E-mail: [info.id@prosetechnologies.com](mailto:info.id@prosetechnologies.com)

### East Asia

**Suzhou - China**  
**PROSE Technologies (Suzhou) Co.,Ltd**  
Add.: No. 6, Shen'an Road, DianShanHu, Suzhou,  
JiangSu, China  
E-mail: [Info@prosetechnologies.com](mailto:Info@prosetechnologies.com)

**Beijing - China**  
**PROSE Technologies (Beijing) Co.,Ltd**  
E-mail: [Info@prosetechnologies.com](mailto:Info@prosetechnologies.com)

**Shanghai - China**  
**PROSE Technologies (Shanghai) Co.,Ltd**  
E-mail: [Info@prosetechnologies.com](mailto:Info@prosetechnologies.com)

**Dongguan - China**  
Add.: Room 1506, building 1, No. 1, Yile Road,  
Songshanhu Park, Dongguan City, Guangdong  
Province, China  
E-mail: [Info@prosetechnologies.com](mailto:Info@prosetechnologies.com)

**Hongkong - China**  
**PROSE Technologies Company Limited**  
Add.: Unit B 13/F,Prat Commercial Building, 17-19 Prat  
Avenue, Tsimshatsui, Kowloon, HongKong, China  
Tel:+86 512 86896789 - 2921/2922  
E-mail: [info.hk@prosetechnologies.com](mailto:info.hk@prosetechnologies.com)

**Taiwan**  
Tel: +63 2 7572762  
E-mail: [info.tw@prosetechnologies.com](mailto:info.tw@prosetechnologies.com)

### Oceania

**New South Wales - Australia**  
**PROSE Technologies (Australia) Pty. Ltd**  
Add.: 5/13 Boundary Rd, Northmead, NSW 2152,  
Australia  
Tel: +61 2 78055523  
E-mail: [info.au@prosetechnologies.com](mailto:info.au@prosetechnologies.com)