

180° Cat 6 Shielded Keystone Jack, Dual IDC



Model: NPN-KEY-1C6SF-180C

Main Features:

- ✧ Dual IDC: Krone & 110 compatible;
- ✧ Durable design: ≥ 750 mating, ≥ 250 termination;
- ✧ 3U Gold-plated contacts for enhanced conductivity;
- ✧ Dual color-coded for easy T568A/B wiring scheme.

Connector Type

| | |
|-----------|--------------------|
| Category | Cat 6 |
| Shielding | Shielded |
| Connector | RJ45 Jack |
| IDC Type | Dual (Krone & 110) |
| Angle | 180° |

Material

| | |
|--------------------------|---|
| Housing Material | PC |
| Shield Material | Brass with Nickel Plating, thickness = 0.25 mm |
| IDC Material | PC Contact Jaw: Phosphor Bronze with Tin Plating, thickness = 0.5 mm |
| Contact Material | Phosphor Bronze with Nickel Plating, thickness = 0.3 mm |
| Contact Surface Material | Gold Plating, thickness = 3U (3 μ m or 0.0762 μ m) |
| PCB Material | FR-4, thickness = 1.6 mm |

Electrical Properties

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|------------------------|-----------------------------------|
| Voltage/Current Rating | 125 VAC RMS / 1.5 A |
| Insulation Resistance | ≥ 1000 M Ω at 500 VDC |
| Contact Resistance | ≤ 100 m Ω |
| Dielectric Strength | 750 VAC RMS, 60 Hz, 1 minute |

Mechanical Properties

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|---------------|--------------------------|
| RJ45 Jack | ≥ 750 mating cycles |
| IDC Lifespan | ≥ 250 termination cycles |
| Wire Gauge | AWG 22-26 |
| Wiring Scheme | T568A/T568B |

Environment

| | |
|-----------------------|--------------------------------|
| Operating Temperature | -25°C to 70°C |
| Operating Humidity | RH 10% to 90% (non-condensing) |
| Storage Temperature | -40°C to 85°C |
| Storage Humidity | RH 5% to 96% (non-condensing) |

General

| | |
|------------|-----------------------------|
| Dimension | 17.4 x 21.6 x 31 mm (WxHxD) |
| Net Weight | 11.8 g (dust cap included) |

Diagram

unit: mm

