

## Cat 6 Shielded Surface Mount Box, Krone IDC



Model: NPN-IL-1C6SF-TC

### Main Features:

- ✧ Easily extends network cable connection;
- ✧ Durable design:  $\geq 300$  termination;
- ✧ 3U Gold-plated contacts for enhanced conductivity;
- ✧ Dual color-coded for easy T568A/B wiring scheme.

### Connector Type

Category	Cat 6
Shielding	Shielded
IDC Type	Krone

### Material

Housing Material	Galvanized ABS
IDC Material	PC Contact Jaw: Phosphor Bronze with Nickel Plating
Contact Surface Material	Gold Plating, thickness = 3U (3 $\mu$ m or 0.0762 $\mu$ m)
PCB Material	FR-4

### Electrical Properties

Voltage/Current Rating	125 VAC RMS / 1.5 A
Insulation Resistance	$\geq 1000$ M $\Omega$ at 500 VDC
Contact Resistance	$\leq 20$ m $\Omega$
Dielectric Strength	750 VAC RMS, 60 Hz, 1 minute

## Mechanical Properties

IDC Lifespan  $\geq 300$  termination cycles

Wire Gauge AWG 22-26

Wiring Scheme T568A/T568B

## Environment

Operating Temperature  $-25^{\circ}\text{C}$  to  $70^{\circ}\text{C}$

Operating Humidity RH 10% to 90% (non-condensing)

Storage Temperature  $-40^{\circ}\text{C}$  to  $85^{\circ}\text{C}$

Storage Humidity RH 5% to 96% (non-condensing)

## General

Dimension 62.5 x 25.9 x 24.9 mm (LxWxH)

Net Weight 22 g

Gross Weight 26 g

Diagram unit: mm

