# Essential-6 Keystone Connector

**Essential-6 Keystone Connector Unscreened**

**Nexans Ref.:** N420.116

- Complies to the latest Category 6 standards
- Unscreened
- Easy termination without punchdown tool
- Keystone format

## DESCRIPTION

### Application

The Nexans Essential-6 keystone connectors are manufactured and tested to the latest Category 6 specifications. They support Class E applications up to 250 MHz. When installed in conjunction with Essential-6 cable and patch panels, a 25 year Class E Link Warranty can be obtained from the Nexans web site.

### Design

The Essential-6 keystone connectors are designed to match with Essential-6 cable and patch cords and complement all Essential modular components, such as:

- keystone patch panels (black and white)
- keystone outlet modules (UK, US and European formats)

The modular jack is designed for keystone footprints of 14.78mm width, 20-20.78mm height and 1.5mm wall thickness and is compatible with a variety of keystone formatted structural hardware. (Please check compatibility with Nexans before using 3rd party hardware)

The Essential-6 connectors can be used with all types of Category 6 cable with solid wire from 24 to 22 AWG.

### Performance

The Essential-6 keystone connectors are compliant with the specifications of ISO/IEC 11801, EN 50173 and IEC 60603-7.

### Installation

The wire organiser guarantees fast and easy termination of the Essential-6 keystone connector without the need for a punchdown tool. An optional comfort tool (N420.567) can be used to increase the ease of installation.

- Fast and easy termination without punchdown tool.
- Wiring according to colour code T568B or T568A.
- Accepts 24, 23 and 22 AWG solid core cables.
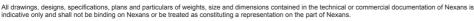- Fits Nexans hardware designed for keystone format

essential-6

## STANDARDS

**International** IEC 60603-7-4; ISO/IEC 11801

Ambient installation T°C range
**-10 - 60 °C**

Operating temp.
**-20 - 60 °C**

Storage temperature, range
**-20 - 60 °C**

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## CHARACTERISTICS

| Construction characteristics | |
|---|---|
| Connector type | RJ45 and Tool-less IDC |
| Screen | No |
| **Dimensional characteristics** | |
| Depth | 29 mm |
| Height | 24 mm |
| Width | 16.7 mm |
| **Usage characteristics** | |
| Ambient installation temperature, range | -10 - 60 °C |
| Operating temperature, range | -20 - 60 °C |
| Storage temperature, range | -20 - 60 °C |
| Range | essential-6 |

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