

## AX104596 Modular Connectors - CAT6+ Shielded KeyConnect Modular Jack



For more Information  
please call

1-800-Belden1



## General Description:

CAT6+ Shielded KeyConnect Modular Jack, Category 6, RJ45

## Usage (Overall)

|                        |  |
|------------------------|--|
| Suitable Applications: | IBDN Shielded System 2400, TIA Screened Category 6 , ISO Class E, 1000BASE-T |
| Related Parts:         | Compatible with Shielded KeyConnect Patch Panels 24-p , 48-p                 |

## Physical Characteristics (Connectivity)

## Dimensions

Dimensions:

| Height (mm) | Width (mm) | Depth (mm) |
|-------------|------------|------------|
| 25.400      | 17.145     | 39.878     |

## Materials

Materials:

| Description      | Type | Material   |
|------------------|------|--|
| Front Connection | RJ45 | Phosphor Bronze with 50u inch Gold over Nickel Plating |
| Rear Connection  | IDC  | Phosphor Bronze with Tin Plating over Nickel           |
| Connector Body   | N/A  | Metal  |

## Wiring Scheme

|                |         |
|----------------|---------|
| Wiring Scheme: | T568A/B |
|----------------|---------|

## Weight

|         |          |
|---------|----------|
| Weight: | 0.022 kg |
|---------|----------|

## Included Parts

|                 |                                |
|-----------------|--------------------------------|
| Included Parts: | 1 Termination Bar, 1 cable Tie |
|-----------------|--------------------------------|

## Packaging

|            |  |
|------------|--|
| Packaging: | Individually packaged in a plastic bag. Standard pack of 70 units. |
|------------|--|

## Mechanical Characteristics (Connectivity)

|                            |            |
|----------------------------|------------|
| Footprint/Type:            | KeyConnect |
| Plug / Jack Compatibility: | RJ45, RJ11 |

Termination Interface:

| Termination | Connection       | Durabilities    |
|-------------|------------------|-----------------|
| Front       | Mated Connection | 750 cycles      |
| Rear        | IDC Connection   | 20 terminations |

|                                 |                |
|---------------------------------|----------------|
| Cable/Connector Retention:      | 66.723 N       |
| Connector/Hardware Retention:   | 88.964 N       |
| Plug/Connector Retention:       | 50.042 N       |
| Storage Temperature Range:      | -40°C To +70°C |
| Installation Temperature Range: | -10°C To +60°C |
| Operating Temperature Range:    | -10°C To +60°C |
| Tool Compatibility:             | Tool Less      |

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

|                                       |                                     |
|---------------------------------------|-------------------------------------|
| Other Standards:                      | FCC Part 68, Subpart F, IEC 60603-7 |
| EU Directive 2002/95/EC (RoHS):       | Yes                                 |
| EU RoHS Compliance Date (mm/dd/yyyy): | 07/01/2011                          |
| MII Order #39 (China RoHS):           | EUP 50                              |

## METRIC MEASUREMENT VERSION

### AX104596 Modular Connectors - CAT6+ Shielded KeyConnect Modular Jack

**Telecommunications Standards:** Category 6 - TIA 568.C.2, Class E - ISO/IEC 11801:2002

**Third Party Performance Verification:** ETL - Verified Category 6

**Safety Listing:** Bi-national Standard Listed

#### Suitability

**Suitability - Indoor:** Yes - Indoor

#### Transmission Characteristics (Connectivity)

**Dielectric Strength:** 1,000 V RMS @ 60 Hz for 1 minute

**Current Rating:** 1.500 A

**Insulation Resistance:** 500 M-Ohm Minimum

**Max. Contact Resistance:** 20 m-Ohm

**Termination Resistance:** 2.5 m-Ohm

#### Notes (Overall)

**Notes:** IDC Wire Gauge: 22~24 AWG. Max cable OD 8.55mm (0.336 in.)

#### Product Family

#### Put Ups and Colors:

| Item #   | Putup | Ship Weight | Color | Notes | Item Desc                    |
|----------|-------|-------------|-------|-------|------------------------------|
| AX104596 | 1 EA  | 0.040 KG    |       |       | Cat 6+ Shielded Modular Jack |

Revision Number: 1    Revision Date: 02-05-2016

© 2017 Belden, Inc.  
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability. Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein. All sales of Belden products are subject to Belden's standard terms and conditions of sale. Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.