

## 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)

<b>Suitable Applications:</b>	IBDN Shielded System 2400, TIA Screened Category 6 , ISO Class E, 1000BASE-T
<b>Related Parts:</b>	Compatible with Shielded KeyConnect Patch Panels 24-p , 48-p, See notes if using with Belden faceplates.

### Physical Characteristics (Connectivity)

#### Dimensions

##### Dimensions:

Height (in.)	Width (in.)	Depth (in.)
1.000	0.675	1.570

#### 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

<b>Wiring Scheme:</b>	T568A/B
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#### Weight

<b>Weight:</b>	0.048 lbs.
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#### Included Parts

<b>Included Parts:</b>	1 Termination Bar, 1 cable Tie
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#### Packaging

<b>Packaging:</b>	Individually packaged in a plastic bag. Standard pack of 70 units.
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### Mechanical Characteristics (Connectivity)

<b>Footprint/Type:</b>	KeyConnect
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<b>Plug / Jack Compatibility:</b>	RJ45, RJ11
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#### Termination Interface:

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

<b>Cable/Connector Retention:</b>	15 lbs.
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<b>Connector/Hardware Retention:</b>	20 lbs.
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<b>Plug/Connector Retention:</b>	11.250 lbs.
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<b>Storage Temperature Range:</b>	-40°C To +70°C
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<b>Installation Temperature Range:</b>	-10°C To +60°C
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<b>Operating Temperature Range:</b>	-10°C To +60°C
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<b>Tool Compatibility:</b>	Tool Less
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### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

<b>Other Standards:</b>	FCC Part 68, Subpart F, IEC 60603-7
<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	07/01/2011
<b>MII Order #39 (China RoHS):</b>	EUP 50
<b>Telecommunications Standards:</b>	Category 6 - TIA 568.C.2, Class E - ISO/IEC 11801:2002
<b>Third Party Performance Verification:</b>	ETL - Verified Category 6
<b>Safety Listing:</b>	Bi-national Standard Listed

#### Suitability

<b>Suitability - Indoor:</b>	Yes - Indoor
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### Transmission Characteristics (Connectivity)

<b>Dielectric Strength:</b>	1,000 V RMS @ 60 Hz for 1 minute
<b>Current Rating:</b>	1.500 A
<b>Insulation Resistance:</b>	500 M-Ohm Minimum
<b>Max. Contact Resistance:</b>	20 m-Ohm
<b>Termination Resistance:</b>	2.5 m-Ohm

### Notes (Overall)

**Notes:** IDC Wire Gauge: Solid 22~24 AWG. Max cable OD 8.55mm (0.336 in.) May not be compatible with all Belden faceplates. Please contact Belden Technical Support for compatibility verification.

#### 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

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