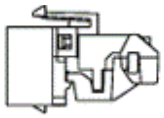
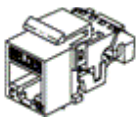
Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

AX100587 Modular Connectors - CAT5E EZ-MDVO Modular Jack - KeyConnect

For more Information please call

1-800-Belden1

Description:

CAT5E EZ-MDVO Modular Jack, RJ45, KeyConnect, Brown (TIA 606)

Usage (Overall)

Suitable Applications:	IBDN System 1200, TIA Category 5E, ISO Class D, 1000 BASE-T
Related Parts:	Compatible with KeyConnect , Faceplates, Adapters, Boxes and Patch Panels

Physical Characteristics (Connectivity)

Dimensions

Dimensions:

Height (in.)	Width (in.)	Depth (in.)
0.875	0.680	1.250

Materials

Materials:

Description	Type	Material
Front Connection	Lead Frame	Copper Allow with 50u inch Gold over Nickel
Rear Connection	IDC	Copper Allow with Nickel Plating
Connector Body		Plastic - UL940V-0

Color

Color:	Brown (TIA 606)

Wiring Scheme

Wiring Scheme:	T568A/B

Weight

Weight:	0.013 lbs.

Included Parts

Included Parts:	Center Stuffercap Coded A/B

Packaging

Packaging:	Individually packaged in a plastic bag. Standard pack of 50 units.

Mechanical Characteristics (Connectivity)

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

Termination Interface:

Termination	Connection	Durabilities
Front	Mated Connection	1,000 cycles
Rear	Gas Tight IDC Connection	10 terminations

Connector/Hardware Retention:	20 lbs.
Plug/Connector Retention:	11.250 lbs.
Storage Temperature Range:	-40°C To +70°C
Installation Temperature Range:	-10°C To +60°C
Operating Temperature Range:	-10°C To +60°C

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Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & 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):	01/01/2006
MII Order #39 (China RoHS):	EUP 50
Telecommunications Standards:	Category 5e - TIA 568.B.2, Category 5 - ISO/IEC 11801:2002 Ed.2
Safety Listing:	ACA, Bi-national (UL/CSA) Standard Listed

Suitability

Suitability - Indoor:	Yes - Indoor

Transmission Characteristics (Connectivity)

Mated Connection Table 1:

Frequency (MHz)	Max. Insertion Loss TIA* (dB)	Max. Insertion Loss Belden** (dB)	Min. NEXT TIA* (dB)	Min. NEXT Belden** (dB)	Min. FEXT TIA* (dB)	Min. FEXT Belden** (dB)
1.000	0.100	0.100	65.000	77.000	65.000	67.000
4.000	0.100	0.100	65.000	72.300	63.100	65.000
8.000	0.100	0.100	64.900	66.200	57.000	58.900
10.000	0.100	0.100	63.000	64.300	55.100	57.000
16.000	0.100	0.100	58.900	60.200	51.000	52.900
20.000	0.100	0.100	57.000	58.300	49.100	51.000
25.000	0.100	0.100	55.000	56.300	47.100	49.000
31.250	0.110	0.100	53.100	54.400	45.200	47.100
62.500	0.160	0.120	47.100	48.400	39.200	41.100
100.000	0.200	0.160	43.000	44.300	35.100	37.000
160.000		0.210		40.200		32.900

Mated Connection Table - Footnote: * TIA/EIA-568-B.2-2001 Category 5E Standard.
** Worst-case performance for a CAT5E mated connection using CAT5E modular plugs.

Mated Connection Table 2:

Frequency (MHz)	Min. Return Loss TIA* (dB)	Min. Return Loss Belden** (dB)
1.000	30.000	32.000
4.000	30.000	32.000
8.000	30.000	32.000
10.000	30.000	32.000
16.000	30.000	32.000
20.000	30.000	32.000
25.000	30.000	32.000
31.250	30.000	32.000
62.500	24.100	28.100
100.000	20.000	24.000
160.000		19.900

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: Please See Installation Guide PX102753

AX100587 Modular Connectors - CAT5E EZ-MDVO Modular Jack - KeyConnect

Product Family

Part Number List:

Item Number	Color
AX100577	Gray
AX100578	Almond
AX100579	White
AX100580	Black
AX100581	Orange (TIA 606)
AX100582	Red (TIA 606)
AX100583	Yellow (TIA 606)
AX100584	Green (TIA 606)
AX100585	Blue (TIA 606)
AX100586	Purple (TIA 606)
AX100587	Brown (TIA 606)

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
AX100587	1 EA	0.024 LB			EZ-MDVO KEYST.RJ45 A/B

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