



Product: [AX104501](#)

10GX SHIELDED KEYCONNECT RJ45 COUPLER

Product Description
10GX Shielded RJ45 Coupler, Category 6A, KeyConnect, Gray

Technical Specifications

Product Overview

Suitable Applications:	BDN Shielded System 10GX, TIA Category 6A, 10GBASE-T, Support Power over Ethernet (up to 100W), Cisco UPOE (up to 60W) and Power over HDBase-T (up to 100W)
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Physical Characteristics (Overall)

Height:	0.889
Width:	0.638 in
Depth:	1.516 in
Wiring Scheme:	T568A/B-T568A/B
Weight:	0.380 lbs

Connectors

Materials

Description	Material	Type
Front Connection	Flexible PCB with 50 μ inch Gold over Nickel	Flexible PCB
Rear Connection	Flexible PCB with 50u inch Gold over Nickel	Flexible PCB
Connector Body	Metal	

Electrical Characteristics

Current Rating:	1.500 A
Insulation Resistance:	500 M-Ohm Minimum
Max Contact Resistance:	20 mOhm

Temperature Range

Installation Temperature Range:	-10°C to +60°C
Storage Temperature Range:	-40°C to +70°C
Operating Temperature Range:	-10°C to +60°C

Mechanical Characteristics

Footprint/Type:	KeyConnect
Plug /Jack Compatibility:	RJ45
Termination Front Connection:	Mated Connection
Termination Front Connection Durability:	750 cycles
Termination Rear Connection:	Mated Connection
Termination Rear Connection Durability:	750 cycles
Connector/Hardware Retention:	20 lbs

Standards

Data Category:	Category 6A
TIA/EIA Compliance:	TIA 568.2-D, Category 6A - ISO/IEC 11801-1
Other Standards:	FCC Part 68, Subpart F, IEC 60603-7

Applicable Environmental and Other Programs

Environmental Space:	Indoor
EU Directive 2002/95/EC (RoHS):	Yes
MII Order #39 (China RoHS):	EUP 50

Flammability, LSOH, Toxicity Testing

Safety Listing:	ACA, c(UL)us Listed
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Related Part Numbers

Related Parts:	KeyConnect Shielded Modular Patch Panel, 10GX Shielded Patch Cord, 10GX Shielded Pre-Terminated Cable Assembly
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History

Update and Revision:	Revision Number: 0.25 Revision Date: 09-02-2025
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