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Connectivity.Assured

Technical Data Sheet

PRO SlimCat™ Keystone RJ45 Socket

The Kordz PRO SlimCat™ Keystone RJ45 Socket is designed specifically for use with the Kordz PRO SlimCat™ Network Cable, enabling professional integrators to deliver ANSI/TIA-568.2-D Category 6 permanent link performance up to 50 metres. Additionally, the product is UL94 V-0 fire-rated and factory tested to support PoE++ at 100W. Featuring an ABS clamshell design and metal latching mechanism as the Kordz PRO Keystone RJ45 Sockets, Kordz PRO SlimCat™ Keystones makes installation easier and fit standard keystone panel cut outs. Match with other Kordz PRO SlimCat™ components for a complete Kordz ecosystem that delivers 'Connectivity Assured'.

- Enables delivery of ANSI/TIA-568.2-D Category 6 permanent link performance up to 50m when paired with Kordz PRO SlimCat™ Network Cables
- Contacts and wire manager customised for 28AWG conductors
- Easy to terminate with metal latching mechanism
- ABS clamshell design
- IEEE802.3bt 100W PoE++ capable
- UL94 V-0 fire-rated
- Eco-friendly packaging
- Available in black and white
- Lifetime warranty

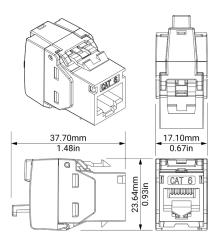| Technical Specifications	
General Specification	
Guaranteed Performance Category	Category 6
Applicable Performance Standards	ANSI/TIA-568.2-D / ISO/IEC 11801
Power over Ethernet Performance	PoE++ (max 100W)
Power over Ethernet Tested Standards	IEEE802.3bt
Shielding Type	Unshielded
Wiring method	T568A	T568B
Dimensions	
Body Length	37.33mm	14.7in
Body Width	17.10mm	6.7in
Body Height	23.68mm	9.3in
Panel Cut-out Height (recommended)	16.10mm	6.3in
Panel Cut-out Width (recommended)	14.50mm	5.7in
Mechanical Specifications	
Housing material	Polycarbonate
Flammability Rating	UL 94 V-0
Housing Colour	White / Black
Insertion IDC	≥ 20 terminations
Operating Temperature	-40° to 66°C
Front connection (RJ45 socket)	
Termination method	RJ45 socket
Contact material	Phosphor bronze
Contact plating	50µ" Gold Plating
Insertion durability	≥ 750 insertions
Plug retention force	133N	13.3kg	30lb
Rear connection (IDC side)	
Termination method	IDC (Insulation Displacement Contact)
Compatible insulated conductor gauge	28AWG
Compatible cable diameter	min: 5.5mm	max: 8.0mm
Contact material	Phospher bronze
Contact plating	100µ" Tin Plated

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Technical Specifications (continued)	
Electrical Specifications	**Tested Limit**
Voltage/Current rating UL Applications	125 Volts AC / 1.5 Amps
Dielectric Withstanding Voltage	≥1000 Volts DC / AC Peak
Contact Resistance	≤ 20mΩ
Insulation Resistance	≥ 500MΩ
Current carrying capacity	1A at 50°C

Packaging					
Part No	Product Description	Units / Box	Box Dimensions	Master Carton Box Quantity	Master Carton Dimensions
T2R45S-C6XU-WH	PRO SlimCatTM keystone RJ45 socket, Category 6, toolless, unshielded, white, box of 12pcs	12 pcs / box	138mm(L) × 123mm(W) × 50mm(H)	20	267mm(L) × 297mm(W) × 280mm(H)
T2R45S-C6XU-BK	PRO SlimCatTM keystone RJ45 socket, Category 6, toolless, unshielded, Black, box of 12pcs	12 pcs / box	138mm(L) × 123mm(W) × 50mm(H)	20	267mm(L) × 297mm(W) × 280mm(H)