Z-MAX® 6A Shielded Outlets

The shielded Z-MAX outlet offers best-in-class performance in every critical specification, exceeding all Category 6A performance requirements, including alien crosstalk. Its innovative features not only speed and simplify termination, but remove installation variability for consistently high and repeatable performance — every termination, every time!

PowerGUARD™

Siemon's patented **PowerGUARD** technology prevents plug and jack contact erosion due to arcing at the mated location when the plug is unmated under PoE load conditions.

High-Visibility Icon System
Printed icons allow designation for voice/ data applications and also provide an additional color coding option
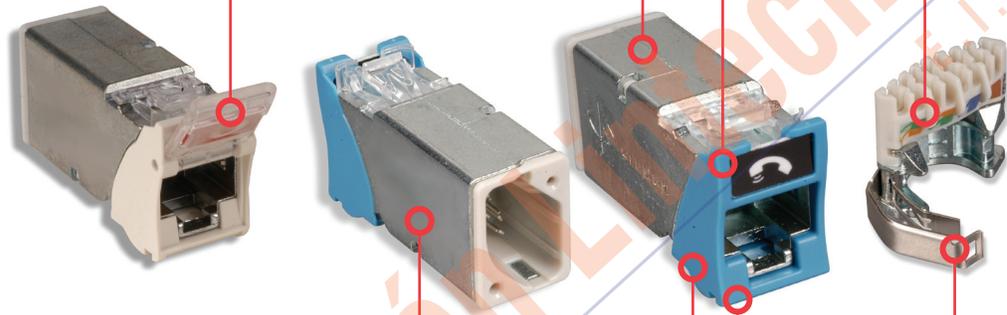
Spring Door Option
Minimizes exposure to dust and other contaminants.

Compact
Slim and side-stackable for high-density applications. Supports "pass-thru" feature to mount from the front or rear of a faceplate

Guided Termination Features
Linear lacing channels guide correct conductor placement while 2-sided color-coding provides wiring verification before and after lacing

Fastest Termination Time
Zero-Cross™ termination module and Z-TOOL™ termination process combine for best-in-class termination time
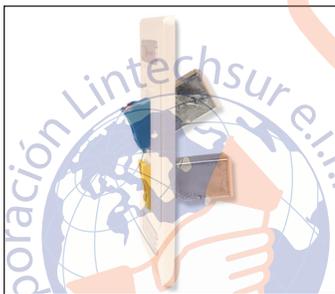
Robust Hinged Cable Retention
Clip accommodates multiple cable diameters

Color Coding Capability
Bezel allows outlets to be color-coded for customer identification to match face-plates and other mounting accessories

Compliant
Is compliant with UL2043 and is appropriate for use in air handling spaces

STANDARDS COMPLIANCE

- ANSI/TIA-568.2-D
- ISO/IEC 11801-1 Ed 1.0
- ETL Tested
- IEEE 802.3an
- IEEE 802.3af (Type 1)
- IEEE 802.3af (Type 2)
- IEEE 802.3bt (Type 3 and Type 4)
- Power over HDBaseT (PoH)
- ANSI/TIA 1096-A
- IEC 60603-7-51
- IEC 60512-99-001 (3rd party verified)

Flexibility and Simplified Ordering
A single hybrid outlet supports both angled and flat mounting orientations.

Enhanced Shielding Effectiveness
High level of shielded effectiveness exceeds ISO 360 degree shielding requirements via die cast housing and hinged cable retention/ grounding clip.

100% Jack-to-Jack Plastic Isolation
Plastic bezels prevent contact between metal housings when side stacking to ensure ground quality and ANEXT performance.

Quick-Ground™ Termination
Cable shield is automatically terminated to the outlet without additional steps.

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Product Information

PERFORMANCE SPECIFICATIONS*

ELECTRICAL

Contact Resistance	20 mΩ
Input to Ouput Resistance	200 mΩ
Min. Dielectric Withstand Voltage (contact to contact)	1000 V DC or AC peak
Min. Dielectric Withstand Voltage	1500 V DC or AC peak
Insulation Resistance	500 mΩ
Compatibility	Backwards to cat 5e and cat 6
Current Rating	1.5 A
PoE	Suitable for PoE Type 1,2,3,4 and PoH

MECHANICAL - GENERAL

Operating Temperature	–10 to 60 °C (14 to 140 °F)
Flammability Rating	UL 94 V-0
Green Features	RoHS, lead-free, halogen-free, PVC free
Housing Material	Zinc die cast
Contact Materials	Copper alloy, plated with 50 micro inches (1.27 micron) minimum thick gold or equivalent at contact interface
Plastic Materials	Flame retardant themoplastic
Dimensions (LxWxH)	41.2x14.5x21.1mm (1.6x.570x.832 in.)
Shield	360 degree enclosure

MECHANICAL - JACK

Number of Plug Insertion Cycles	2500
Minimum Plug Retention Force	50N (11.24 lbf)
Plug Compatibility	Compatible with RJ45 (8-position) or RJ11 (6-position) plugs

MECHANICAL - TERMINATION

Wire Size Range (nominal)	22-26 AWG solid and stranded
Wire Insulation Diameter Range (max)	1.48mm (0.058 in.)
Conductor OD Size (max)	0.60mm (0.023 in.)
Cable OD (max)	9mm (0.354 in.)
Reterminations	5
Wiring	T568A/B

Ordering Information

Z6A-S(X)(XX)(X) --------- Shielded Z-MAX 6A outlet, T568A/B

Mounting Style
(Blank) = Hybrid Flat/Angled
K = Keystone*

Door Option
(Blank) = No Door
D = Door (Hybrid only)

Bezel Color
01 = Black   06 = Blue
02 = White   07 = Green
03 = Red   09 = Orange
04 = Gray   20 = Ivory
05 = Yellow 80 = Light Ivory

Each Z-MAX 6A hybrid outlet includes 1 printed icon set with the following color/print options.

Front
1 - Red Data
1 - Blue Data
1 - Bezel Color-Matching Data
1 - White Blank

Rear
1 - Red Voice
1 - Blue Voice
1 - Bezel Color--Matching Voice
1 - Bezel Color--Matching Blank

Note: Keystone version is designed for integration with various third party mounting products and is not compatible with standard Siemon MAX mouninting products.

Keystone versions are also not compatible with icons and do not have door options.

Outlet terminates S/FTP, F/FTP and F/UTP cable constructions with 22 – 26 AWG (0.64 – 0.51mm) solid and 26 AWG (0.48mm) stranded conductors, with up to 0.60mm diameter conductors and up to 1.48mm diameter over insulation.

Add "D" to end of part number for spring door option.

Add "B" to end of part number for bulk project pack of 100 modules (hybrid modules include icons).

Because we continuously improve our products, Siemon reserves the right to change specifications and availability without prior notice.

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