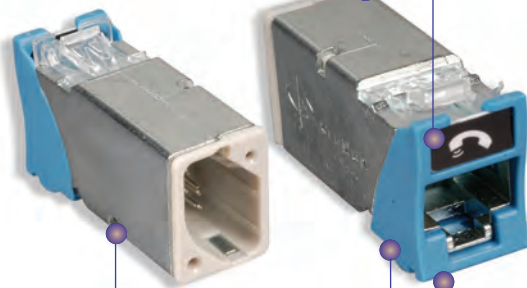


Z-MAX® 6A SHIELDED OUTLETS

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!

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



Fastest Termination Time — Zero-Cross™ termination module and Z-TOOL™ termination process combine for best-in-class termination time

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

High-Visibility Icon System — Printed icons allow designation for voice / data applications and also provide an additional color coding option

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



Robust Hinged Cable Retention — Clip accommodates multiple cable diameters

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

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.



Spring Door Option

Minimizes exposure to dust and other contaminants.



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



- | | |
|-------------------------------|--------------------------------|
| 1 - Red Data | 1 - Red Voice |
| 1 - Blue Data | 1 - Blue Voice |
| 1 - Bezel Color-Matching Data | 1 - Bezel Color-Matching Voice |
| 1 - White Blank | 1 - Bezel Color-Matching Blank |

STANDARDS COMPLIANCE

- ANSI/TIA-568-C.2
- ISO/IEC 11801 Ed 2.2
- ETL Tested
- IEEE 802.3an
- IEEE 802.3af (PoE)
- IEEE 802.3at (PoE+)
- ANSI/TIA 1096-A
- IEC 60603-7-51
- IEC 60512-99-001 (3rd party verified)

PRODUCT INFORMATION

Performance Specifications:

| ELECTRICAL | |
|--|---|
| Contact Resistance | 20 mΩ |
| Input to Output 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 and PoE+ |
| 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 thermoplastic |
| Dimensions (LxWxH) | 41.2x14.5x21.1mm (1.6x.570x.832 in.) |
| Shield | 360 degree enclosure |
| MECHANICAL – JACK | |
| Number of Plug Insertion Cycles | 2500 |
| Min. Contact Force | 50g |
| Min. Plug Retention Force | 50N |
| Plug Compatibility | Compatible with RJ45 (8-position) or RJ11 (6-position) plugs |

| MECHANICAL – TERMINATION | |
|--------------------------------------|------------------------------|
| Wire Size Range (nominal) | 23-26 AWG solid and stranded |
| Wire Insulation Diameter Range (max) | 1.48mm (0.058") |
| Conductor OD Size (max) | 0.60mm (0.023") |
| Cable OD (max) | 9mm (0.354") |
| Reterminations | 5 |
| Wiring | T568A/B |

Ordering Information:

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

| | | |
|------------------------------|-------------------------------|------------------------|
| Mounting Style | Bezel Color | Door Option |
| (Blank) = Hybrid Flat/Angled | 01= Black 06= Blue | (Blank) = No Door |
| K = Keystone | 02= White 07= Green | D = Door (Hybrid only) |
| | 03= Red 09= Orange | |
| | 04= Gray 20= Ivory | |
| | 05= Yellow 80= Light Ivory | |

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. Z-MAX™ is a trademark of Siemon.

For additional resource information:

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