SYSTIMAX®
SOLUTIONS

SYSTIMAX® GigaSPEED® X10D
MGS500 Information Outlet

SYSTIMAX® GigaSPEED® X10D Component

The SYSTIMAX® GigaSPEED® X10D MGS500 information outlet is the latest result of many years of continuous product development at SYSTIMAX Labs. The MGS500 features patent pending crosstalk cancellation and compensation techniques. A unique opaque aqua-colored inner tab identifies the unparalleled compensation technology.

The MGS500 information outlet, used throughout the GigaSPEED X10D channel, exhibits extended frequency internal and alien crosstalk suppression enabled via innovative Printed Wiring Board (PWB) compensation technologies. The MGS500 incorporates techniques that mitigate channel to channel alien crosstalk, a parameter that becomes very critical at high frequencies (beyond Category 6).

Features and Benefits

- Electrical performance guaranteed to meet or exceed the channel specifications of TIA 568-B.2-1 Category 6, ISO/IEC 11801 Class E, and the current TIA Category 6A and proposed ISO/IEC Class E_A Ed. 2.1 up to 500 MHz when used as part of a GigaSPEED X10D Channel in registered SYSTIMAX installations.
- Snaps into standard SYSTIMAX M-Series faceplates, surface-mount boxes, consolidation point boxes, SYSTIMAX Universal Modular Panel (UMP) or FlexiMax panels. Can also be mounted either at 90 degrees (straight) or 45 degrees (angled) in any SYSTIMAX faceplate.
- Universal design and label supports both T568 A & B wiring.
- Available in 4 different colors. Individually packaged with instructions.
- IDC connector terminations on rear of base allow quick and easy installation of 22 to 24 AWG cable.
- Optional Plastic Icons (M61A) and Dust Covers (M20A) available in several colors.
- Optimal performance is achieved when using the GigaSPEED X10D GS10E patch cords; however, the MGS500 is fully backwards compatible.
- UL® listed.
- Can support network line speeds up to at least 10 gigabits per second.
- Qualifies for the SYSTIMAX SCS 20-Year Extended Product Warranty and Applications Assurance when included as part of a registered SYSTIMAX GigaSPEED X10D channel.

SYSTIMAX® Structured Connectivity Solutions

Physical Specifications

Dimensions	(Width x Height x Depth)
MGS500:	0.8 x 0.8 x 1.2 in (2.0 x 2.0 x 3.1 cm) - Universal A/B labeling
Operating Temperature Range:	14°F to 140°F (-10°C to 60°C)
Storage Temperature Range:	-40°F to 158°F (-40°C to 70°C)
Humidity:	95% (noncondensing)
Nominal Solid Conductor Diameter:	0.016 to 0.025 in (26 to 22 AWG)
Nominal Stranded Conductor Diameter:	0.40 to 0.64mm (26 to 22 AWG)
Insulation Size:	0.030 in to 0.046 in, 0.76 mm to 1.17 mm
Insulation Types:	All plastic insulates (including PVC,irradiated PVC, Polyethylene, Polypropylene,PTF Polyurethane, Nylon, and FEP).
Insertion Life:	750 minimum insertions of an 8-position IEC 60603-7 Compliant Plug
Plastic:	High-impact, flame retardant, UL-rated 94V-0 thermoplastic

Ordering Information

Material ID	Info. Outlets	Color	Package
760023556	MGS500-003	Black	1/Pkg
760023606	MGS500-246	Ivory	1/Pkg
760023614	MGS500-262	White	1/Pkg
760023648	MGS500-318	Blue	1/Pkg
760023564	MGS500-112	Orange	1/Pkg
760023572	MGS500-123	Yellow	1/Pkg
760023580	MGS500-215	Creme	1/Pkg
760023598	MGS500-226	Green	1/Pkg
760023622	MGS500-270	Gray	1/Pkg
760023630	MGS500-361	Red	1/Pkg

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