

INDUSTRIAL MAX® 6 CONNECTIVITY

Siemon is well known for its industry leading category 6 products. Now those same high performance products are available with our patent-pending Industrial MAX housings. Industrial MAX 6 outlets and modular patch cords provide an IP67-rated seal, protecting the plugs and jack contacts from dust, moisture, vibration, and common cleaning chemicals. The Industrial MAX 6 solution is ideal for protecting valuable connections in laboratory environments, hospitals, food processing plants and more.

Unshielded (UTP) outlets and modular patch cords are available now and can be covered under our System 6 warranty when installed by a Siemon Certified Installer.

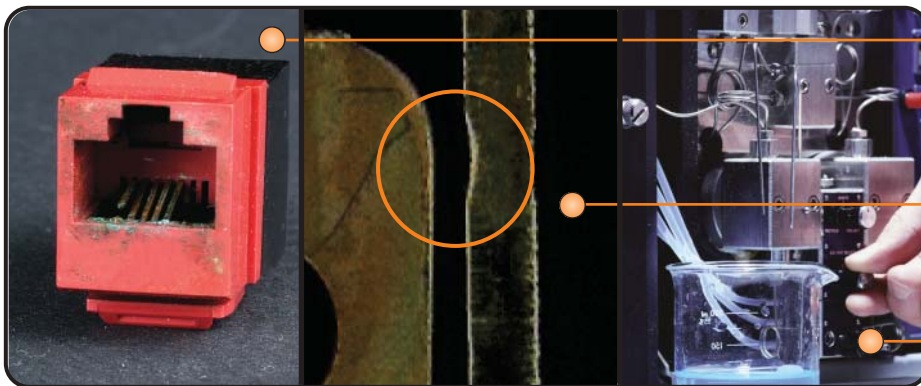


6

250 MHz
Featuring universal T568A/B wiring with component and channel performance to 250 MHz

The Industrial MAX Connector has been recognized by the Open DeviceNet Vendor Association (ODVA), TIA/EIA TR 42.9 and IEC PAS 61076-3-111

INDUSTRIAL PRODUCTS



Humidity corrodes contact pins inside typical outlets. Repeated exposure can eventually destroy the contact pins, rendering the outlet unusable. The Industrial MAX outlet's special housing prevents this corrosion

Seen under a microscope after exposure to extreme vibration, contact between a typical modular plug and outlet can pit the contact pins, causing intermittent transmission problems

Specially designed Industrial MAX 6 connectors can withstand humidity, dust and vibration

Industrial MAX® 6 Outlets

The Industrial MAX outlet features a unshielded (UTP) category 6 MAX module housed in a protective shell. The outlet's outer housing is made of durable, chemical-resistant, industrial-grade thermoplastic and features Siemon's patent-pending bayonet-style mating design. Category 6 performance is guaranteed in harsh environments.

The industrial connector's bayonet-style mating prevents over-tightening (which could damage contact pins inside the outlet) or under-tightening (which prevents a proper seal).



The UTP Industrial MAX outlet (shown) utilizes standard 110 tool for quick and easy punch-down termination

Each outlet is compatible with both T568A and T568B wiring options



Bayonet-style mating ensures proper plug depth in the outlet and an IP67 rated seal



Pyramid Wire Entry System on S310® blocks separates paired conductors when lacing cables to simplify and reduce installation time



PATENT PENDING

250 MHz

Featuring universal T568A/B wiring with component and channel performance to 250 MHz

Industrial MAX 6 Modular Patch Cords

Industrial modular patch cords combine the high performance and quality that Siemon cords are known for with a protective plug housing. Unlike our Industrial MAX 5 modular cords, these assemblies feature standard MC® 6 cordage with a MC 6 plug on one end and an industrial plug on the other.



TECHNICAL INFORMATION

Environment Rating	IP 67 minimum and NEMA 6	Temperature: -25°C (-13°F) to 85°C (185°F)	Plug/Outlet
Shell Material	PBT - Polybutylene Terephthalate (Valox®), UL94V-0		Plug/Outlet
Collar Nut Material	Acetal, Acetal/Elastomer alloy (Delrin®)		Plug/Outlet
Gasket Material	Silicone		Plug/Outlet
Contact Material	Copper alloy		Plug/Outlet
Contact Plating	50 microinch minimum hard gold over nickel		Plug/Outlet
Mechanical Durability	750 cycles minimum		Plug/Outlet
Chemical Resistance	Materials have been selected to provide the widest range of protection from most solvents and common industrial chemicals. (Details available upon request)		Plug/Outlet
Bulkhead Thickness	0.762mm to 3.175mm (0.030 in. to 0.125 in.)		Outlet
Electrical Rating — Plug	Voltage: 150 volts AC	Current: 175 mA	Plug
	Dielectric Withstanding Voltage: 1000 VAC contact-to-contact; 1500 VAC contact-to-ground		
Electrical Rating — Outlet	Voltage: 150 volts AC maximum @ 25° C	Current: 1.5 amp max. @ 25 C	Outlet
	Dielectric Withstanding Voltage: 1000 VAC, RMS 60 Hz, 1 minute Surge Test: to 1000 volts		
Electrical Resistance	Insulation: 50 MΩ minimum	Contact: 20 MΩ maximum	Outlet

INDEX FIGURE		IP CODE				INDEX FIGURE
DEGREE OF PROTECTION		DEGREE OF PROTECTION		DEGREE OF PROTECTION		DEGREE OF PROTECTION
0	No Protection	No protection against accidental contact, no protection against foreign bodies	No Protection against water	No Protection	0	
1	Protection against large foreign bodies	Protection against contact with a large area by hand and against large solid bodies Ø > 50mm	Protection against vertical water drips	Drip-Proof	1	
2	Protection against medium sized foreign bodies	Protection against contact with fingers, protection against small foreign solid bodies with Ø > 12mm	Protection against water drips (up to a 15° angle)	Drip-Proof	2	
3	Protection against small solid foreign bodies	Protection against tools, wires, or similar objects with 2.5 mm protection against small foreign bodies with Ø > 2.5 mm	Protection against water drips (up to a 60° angle)	Spray-Proof	3	
4	Protection against grain-shaped foreign bodies	Protection against foreign bodies with Ø > 1mm	Protection against splashed water from all directions	Spray-Proof	4	
5	Protection against deposits of dust	Full protection against contact. Protection against interior equipment damage due to dust deposits	Protection against splashed water (out of a nozzle) from all directions	Hose-Proof	5	
6	Protection against ingress of dust	Total protection against contact and protection against penetration of dust.	Protection against temporary flooding	Protected against flooding	6	
			Protected against temporary immersion	Protected against immersion	7	
			Protected against water pressure	Water-tight	8	

Industrial MAX® 6 Outlet:

X6.....Category 6, UTP industrial outlet



Industrial MAX 6 Modular Patch Cords:

XC6-(XX)-B05.....Category 6, UTP, industrial plug-to-modular RJ45 plug, yellow boot

Use (XX) to specify length: 03 = 0.9m (3 ft.), 05 = 1.5m (5 ft.), 07 = 2.1m (7 ft.), 10 = 3.1m (10 ft.), 15 = 4.6m (15 ft.)



Industrial MAX Dust Caps:

The Industrial MAX dust caps are the ideal way to protect your investment in your industrial cabling system. Outlet dust caps can be used to protect unused outlets or to seal an outlet during wash down periods when the outlet and plug may be disconnected. Plug dust caps protect Industrial MAX modular cords from exposure to elements or accidental damage when not mated to an outlet.

Both caps are constructed of industrial grade thermoplastic for superior protection and durability. Additionally, both the outlet and plug dust caps feature a retention chain, which prevents them from being misplaced when not in use.



X-CAPIndustrial outlet dust cap, with chain



XP-CAP.....Industrial plug dust cap, with chain

Industrial MAX Stainless Steel Faceplates:

The Siemon industrial outlet can be mounted into a stainless steel faceplate that provides a protective seal from moisture and debris. The faceplate is available in 1-, 2- and 4-port options and carries an IP44 rating.

- XFP-S-01-SSSingle gang faceplate, 1-port, stainless steel
- XFP-S-02-SSSingle gang faceplate, 2-port, stainless steel
- XFP-D-04-SSDouble gang faceplate, 4-port, stainless steel



Because we are continuously improving our products, The Siemon Company reserves the right to change specifications and availability without prior notice.

MAX®, S310® and MC® are trademarks of The Siemon Company

The Americas
Watertown, CT USA
Phone (1) 860 945 4200

Europe/Middle East/Africa
Surrey, England
Phone (44) 0 1483 480040

Asia/Pacific
Shanghai, P.R. China
Phone (86) 21 6390 6778