



Material handling and intralogistics

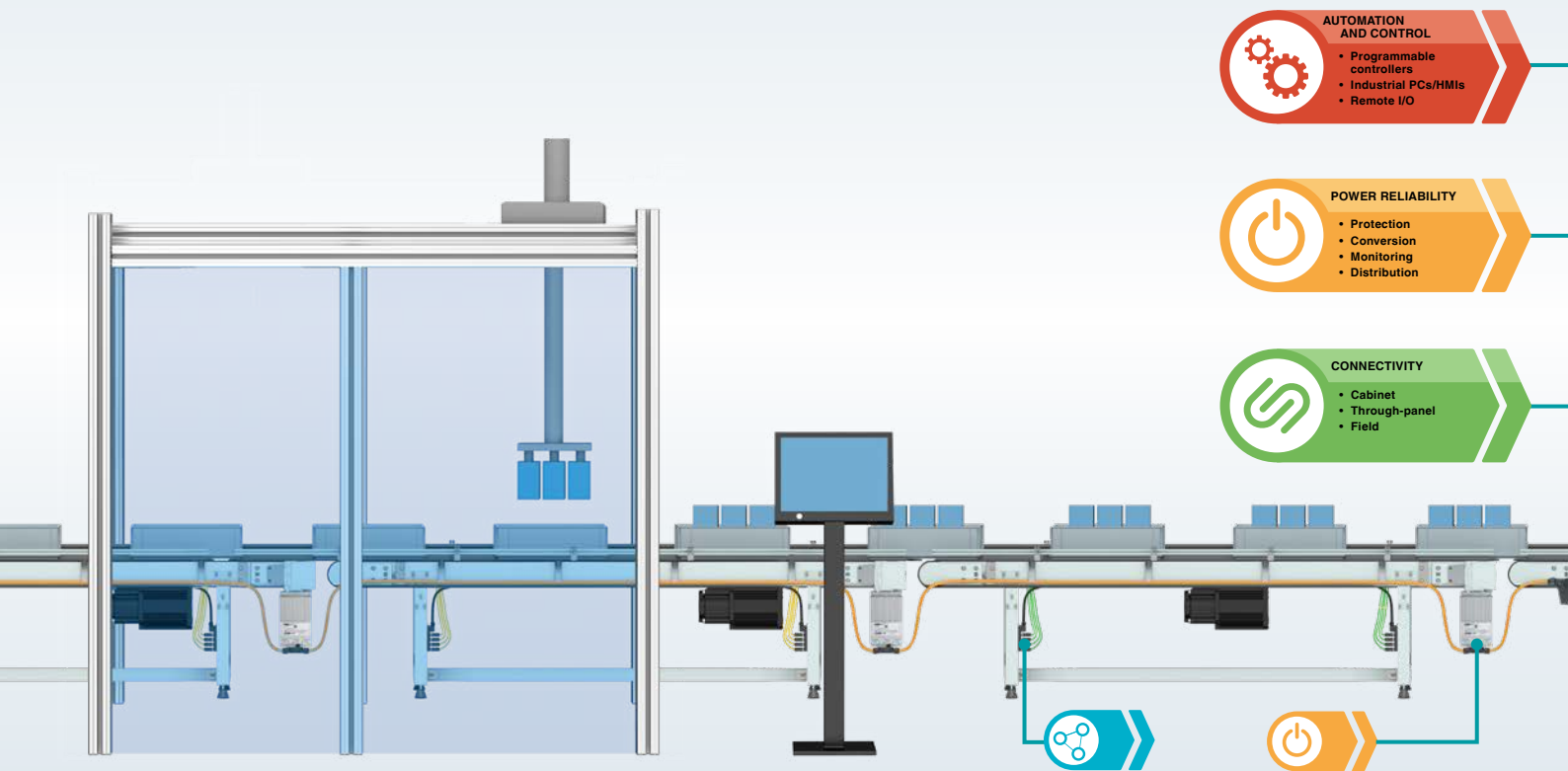
On-machine field solutions and cabinet essentials



Phoenix Contact – Your strong partner for material handling

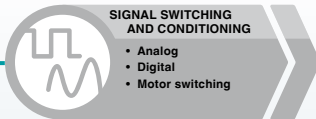
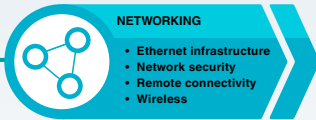
Phoenix Contact produces future-oriented components, systems, and solutions for electrical controls, networking, and automation. We have a worldwide network reaching across more than 100 countries with over 20,300 employees. Our wide variety of products makes it easy for engineers to implement the latest technology in material handling.

Our USA customers know us best for producing top-quality products in the areas of power reliability, connectivity, signal switching and conditioning, safety, networking, automation and control, and shop floor productivity.

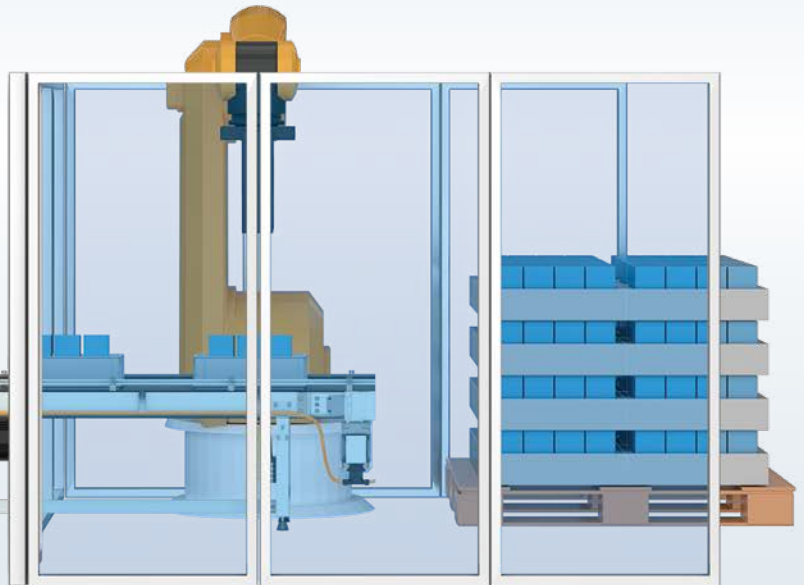


COMPLETE line

Most customers know us best for
DIN rail cabinet components...



Phoenix Contact is a proud member of the MHI association and actively contributes to the industry groups within Automation Control and Electrification (ACE), Conveyor Sortation Systems (CSS), and the Mobile Automation Group (MAG).



... but we are also a leader in machine-mount field solutions. We empower the reduction/elimination of cabinets by ruggedizing core functions like IO-Link networked field I/O and NEC Class 2 power supplies in IP67 housings. All field devices are backed by seamless power, signal, and data connectivity, and are manufactured in North America.







On-machine solutions for material handling

IP54 to IP68 products for field-mount and enclosure pass-throughs

IP67 TRIO power supplies

				
	NEC Class 2 AC/DC supply with next-gen M12 Power	NEC Class 2 AC/DC supply with legacy 7/8" power	NEC Class 2 AC/DC supply for field-wiring	10 Amp AC/DC supply M12 Power, 7/8" or field-wired


Active IP67 fieldbus modules

 				
	Active I/O modules EtherNet/IP, PROFINET	IO-Link master modules	IO-Link DIO/analog hubs 30 mm and 60 mm widths	IO-Link safety

Passive I/O distribution boxes for sensors/actuators

				
	Passive M8 and M12 I/O distribution blocks	M12 and M23 homerun/master cables	Passive field-terminated I/O distribution blocks	M8 and M12 pre-wired passive distribution blocks

IP67 Ethernet switches and wireless modules

				
	Slim unmanaged FL 1605 10/100 Mbps 5-port	Unmanaged FL 1608/1708 10/100/1000 Mbps 8-port	Managed FL 2608/2708 10/100/1000 Mbps 8-port	WLAN 802.11 access points 2.4GHz, 5 GHz up to IP68

On-machine solutions for material handling

IP54 to IP68 products for field-mount and enclosure pass-throughs






Molded sensor/actuator, data and power cordsets*

				
	<p>M8 and M12 sensor cordsets 3- to 17-pole A-code</p>	<p>Next-gen M12 Power M12 L-Code</p>	<p>Legacy power MINI 7/8" and 1 3/8"</p>	<p>M8 and M12 Ethernet cordsets A-, D-, X-code, and RJ45</p>

Cabling adapters and bulkheads

				
	<p>M8 and M12 splitters Ys and Ts</p>	<p>M8, M12, and MINI 7/8" Bulkhead receptacles</p>	<p>Ethernet bulkhead Adapters and pass-throughs</p>	<p>AS-Interface IDC punch-down taps</p>

Field-wired connectors for sensor/actuator data and power cabling

				
	<p>M12 Push-lock connectors Unshielded or shielded</p>	<p>M8 and M12 QUICKON Easy insulation displacement</p>	<p>Next-gen M12 Power Push-lock or crimp</p>	<p>Push-lock bulkhead receptacles "Wire to any lead length"</p>

Installation connectors and accessories

				
	<p>HEAVYCON industrial rectangular connectors</p>	<p>Cable glands and cord grips in plastic or metal</p>	<p>Cable entry systems One cutout, many cables</p>	<p>HEAVYPORT Programming ports and service interfaces</p>

*Produced in North America for fast delivery times!

Cabinet essentials for material handling





DIN rail-mount components to power, protect, connect, and automate systems

Power conversion* and battery backup

*Most popular for material handling:





- 3-phase AC to 24 V DC at 20 A and 40 A
- 3-phase AC to 48 V DC at 20 A
- Single-phase AC to 24 V DC at 10 A and 20 A
- NEC Class 2 versions



			
QUINT/TRIO power supplies with maximum functionality	Power supplies with IO-Link and electronic circuit breakers (ECBs)	Uninterruptible power supplies with battery backup	Power supplies with Class 2 outputs





Overvoltage/overcurrent protection and monitoring



			
Surge protection devices with pluggable replacements	Circuit breakers UL 1077 and UL 489	Electronic circuit breakers Scalable with NEC class 2	Energy monitoring and measurement





Networking – Ethernet switches and network security



			
Ethernet switches – unmanaged	Ethernet switches – managed	Network security – routers and firewalls	Remote access – mGuard secure cloud

Motor starters and relays



			
Hybrid motor starters for up to 5 horsepower	Variable frequency drives Low horsepower, compact	Solid-state/ electromechanical slimline or ice-cube relays	Safety relays

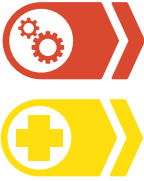
Cabinet essentials for material handling

DIN rail-mount components to power, protect, connect, and automate systems




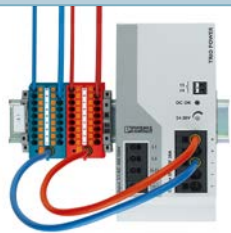

Automation and control

				
	Programmable controllers PLCnext open platform	Industrial HMIs	Industrial IPCs	Edge computing

Remote I/Os and safety

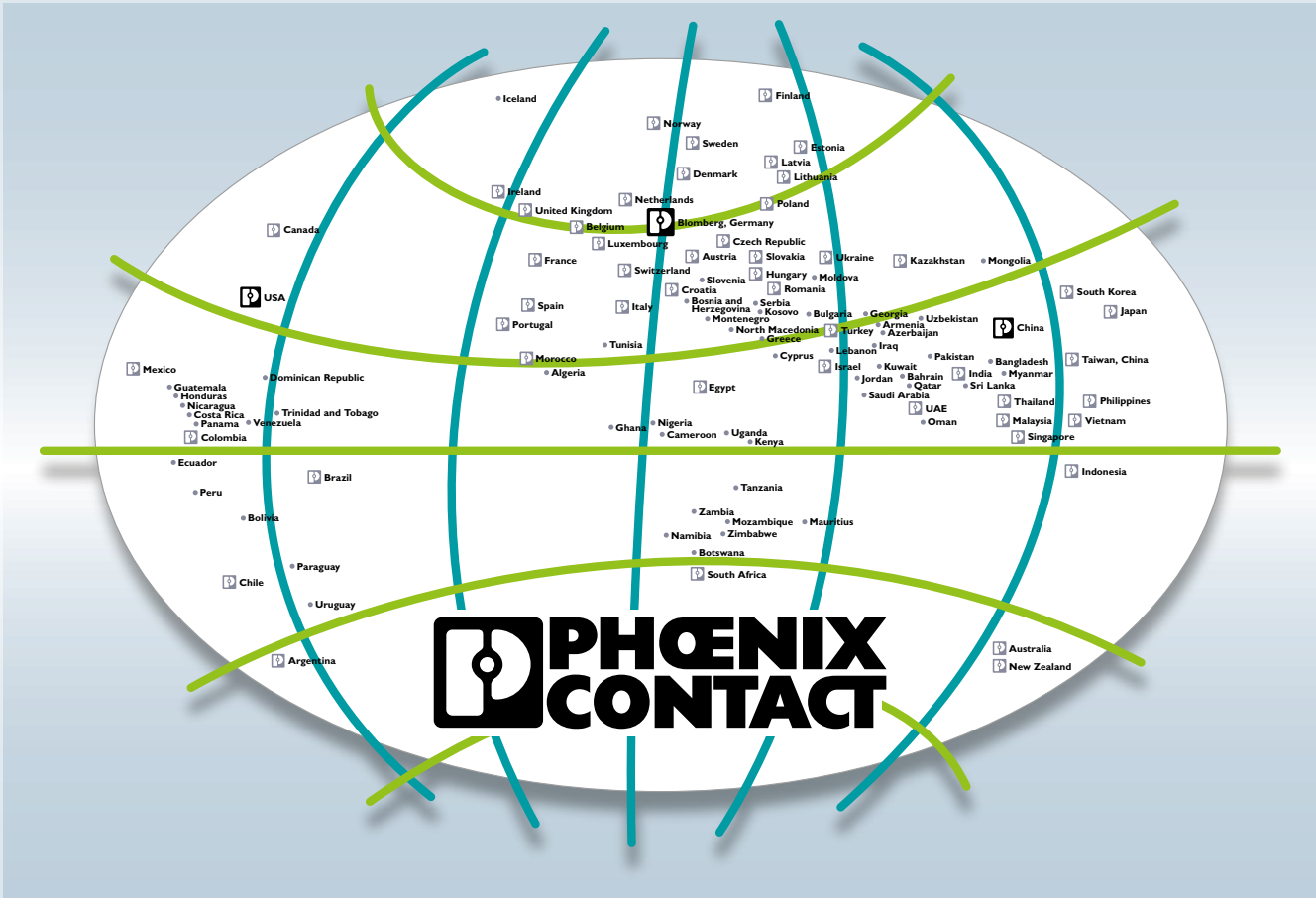
				
	Axioline configurable I/O for digital and analog	Axioline smart elements Compact, configurable I/O	Safety I/Os	Emergency stops Standard/ M12 quick-connect

Terminal blocks

				
	Feed-through terminals, Push-X, push-in, screw, IDC	Multi-level terminals 2-, 3-, and 4-level	PTFIX power distribution blocks for easy +/- wiring	Sensor/actuator PTIO for fast sensor marshalling

Installation and shop floor productivity

				
	Semi-automatic tools for high-volume production	Ergonomic hand tools for low-volume production	Marking solutions for wire and cabinet products	Planning software PROJECT complete



Open communication with customers and partners worldwide

Phoenix Contact is a global market leader based in Germany. We are known for producing future-oriented products and solutions for the electrification, networking, and automation of all economy and infrastructure sectors. With a global network reaching more than 100 countries with over 20,000 employees, we maintain close relationships with our customers, which we believe is essential for our joint success. Our wide range of innovative products makes it easy for our customers to implement the latest technology in various applications and industries. This especially applies to the target markets of energy, infrastructure, industry, and mobility.

You can find your local partner at
[phoenixcontact.com](https://www.phoenixcontact.com)