



Industrial Automation connectors for the highest quality demands

Under extreme conditions and high loads, it is especially important for electrical connections to work reliably. Industrial connectors have a wide variety of applications. The demand for high-quality connectors is increasing in the industrial industry, thanks to the growing importance of electric drives. ERNI offers a broad range of industrial connectors for different applications. Our portfolio of solutions includes MicroSpeed, SMC, MicroCon, M8/M12, MaxiBridge and more.

ERNI's connectivity solutions for Industrial Automation

Connection solutions for industry 4.0

Connectivity solutions for automation processes of industry 4.0 transfer large amounts of data. They offer high bandwidths, are EMC-proof and interference-proof. In production, it is important that the plug-in systems support double-sided PCB assembly and high contact densities. For networking the systems, the connectors meet the current standards and extended requirements of industry 4.0.

Less space required

ERNI is a leader in manufacturing powerful connectors in a miniaturized size. Whether the application is data flow into and between PLCs, DCS Remote I/Os and drives, communication modules or drives, ERNI's connectors with pitch from 0.8mm to 2.54mm are the perfect choice when space is a premium.

Signal Integrity

ERNI produces connections that are interference- and EMC-proof and offer high signal integrity with low bit error rates. Shielded solutions are available which ensure a high level of confidence in the communication interfaces due to their interference immunity.

Built for harsh environments

ERNI's portfolio are greatly trusted to withstand the harsh conditions found in many industrial environments. With dual latching, CPA, shielding and more, ERNI connectors will continue to deliver quality signal and power in small spaces that may have high heat and much dust and do so time after time. With many variants to our families of connectors, we have the right solution for every environment.

Product Selector Guide