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## **PRESS INFORMATION**

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### REVOLUTION FOR ELECTRICAL INSTALLATION IN CONCRETE CONSTRUCTION

Simple, fast and safe: Wieland PREFAB® enables electrical infrastructure cabling to be laid directly in concrete

They can be produced regardless of the weather, are characterized by short construction and assembly times and can be delivered to the construction site just-in-time - precast concrete elements have many advantages and offer great potential for modular construction. The high degree of prefabrication of the modules can now also be transferred to the electrical installation: Within its PREFAB solution portfolio, Wieland Electric has a world first for precast concrete construction and enables the direct implementation of the pluggable electrical installation when casting precast concrete parts and concrete elements.

#### **World first: electrical installation permanently cast in concrete construction**

Until now, it was laborious to install the electrical installation in prefabricated concrete elements at the factory. Either empty conduits or retrofitted cable ducts were used. Additional junction boxes had to be installed for electrical branches, wired conventionally and subsequently closed again. Installation is easier and more efficient with the RST® circular connector system, which Wieland Electric offers as part of its PREFAB solution portfolio. The moisture-protected system with protection class IP69 guarantees smooth and safe processing, complies with technical standards and has specific suitability certificates for application in concrete casting.

While the degree of prefabrication of the components is increased by the use of the plug-in connector system, the processing required on site is reduced. This is because the pluggable, prefabricated installation with supply line, connection and distribution pieces can be cast with concrete directly in the factory production process, so that the individual concrete elements only need to be connected to each other later using plug & play. Safe installation in concrete construction is possible thanks to the high IP protection, robustness and high quality of the components. Wieland Electric has proven the suitability for this application with specific tests.

### **Pluggable buildings from the distributor to the socket outlet**

Wieland PREFAB® shows its strengths not only in concrete construction. The integration of infrastructure cabling is also simple and efficient for prefabricated buildings or parts of buildings in dry construction, so that fewer personnel are required on the construction site and the electrical trade is relieved. Just like the building modules, which are assembled in series ready for installation, the gesis® installation system from Wieland Electric is also based on factory pre-assembly. This means that Wieland Electric provides suitable, prefabricated system and automation components as well as assembled sub-distributors, which only need to be plugged in at the factory and on site. There is no need to strip, shorten and wire the cables. Coded plug connections also ensure a high level of functional reliability.

In contrast to conventional plug-in connection systems, the two plug-in connection systems gesis® and RST® can also be plugged in and installed in areas that are subsequently no longer accessible. Wieland Electric has proven this with extensive service life tests and received confirmation from neutral experts. PREFAB system components are therefore ideal for use in all modular construction methods.



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## IMAGE MATERIAL



*It has never been easier to install electrical infrastructure directly in concrete: Installation with the RST® circular connector system from Wieland Electric represents a revolution for precast concrete construction. (Image: Wieland Electric)*



*Wieland PREFAB also scores highly in buildings and building components that are serially produced using drywall construction and, thanks to its plug & play functionality and high degree of prefabrication, enables simple, fast and safe installation of the electrical infrastructure. (Image: Wieland Electric)*



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## **ABOUT WIELAND ELECTRIC**

Wieland Electric, founded in Bamberg in 1910, is the inventor of safe electrical connection technology. Today, the family-owned company is one of the leading suppliers of safety and automation technology and has been the global market leader in the field of pluggable electrical installations for building technology for over 30 years.

Wieland Electric assists customers with on-site support all over the world as a capable service partner and solution provider. This is possible thanks to around 1,700 employees and subsidiaries as well as sales organizations in over 70 countries. In addition to Wieland Electric GmbH, STOCKO Contact GmbH & Co. KG has belonged to Wieland Holding since 1998.

The company's core industries include mechanical engineering, wind power, intralogistics and HVAC, as well as building and lighting technology. The broad portfolio includes components, products, and solutions for electrical installation, connection technology, power distribution, safety technology, and the control cabinet. In addition, Wieland Electric offers an extensive service and training program. With cross-industry experience, a great product diversity and numerous service offerings, the company has consistently developed from a component supplier to a solution provider in recent years.