

ELECTRIC MOBILITY

KeContact P30

The intelligent wall box for today
and for the future



More than just charging: Networking, communication and control

With our wall box, electric cars can be charged both safely and reliably. Thanks to the latest feature, it can also be networked to become an intelligent communication and control centre. It thus meets all the requirements of electric mobility.

One product for all

With just one product in different versions, variants and equipment series, we can cover all electric cars and plug-in hybrids, applications, use cases and markets. Our KeContact P30 is suitable for both indoor and outdoor use. Depending on requirements, it can be mounted on the wall or free-standing on our stainless steel pedestal.

Safety during charging

Thanks to the integrated DC fault current monitoring, the costly upstream FI type B becomes obsolete, thereby significantly reducing the overall installation costs per charging point.

New application possibilities

KeContact P30 offers completely new application possibilities thanks to state-of-the-art communication standards and features (model-dependent):

- **Public and semi-public sector**

KeContact P30 can easily be connected to a central system via OCPP 1.5 or 1.6. In the public and semi-public sector, this is particularly interesting for monitoring or energy billing. Our entire wall box is already a MID-certified meter.

- **Private sector**

The wallbox can be controlled easily and status information can be retrieved via user data protocol (UDP) or Modbus TCP in the smart home. For example, the maximum permissible amount of electrical charge for an electric vehicle can be regulated based on a photovoltaic system, battery storage unit or heat pump.

External meter data can easily be read out using the Modbus TCP protocol. As a result, the charging station is capable of automatically regulating the charging processes of the electric vehicle (e.g. charge depending on house connection).

Thanks to the integrated energy meter of the KeContact P30, people with company vehicles can bill their company or leasing company for the energy they use to charge at home.

Three equipment series

Our three KeContact P30 equipment series are built up on each other. The **a-series** is the new entry-level version for simple and secure charging in the private sector and offers the option of assigning user authorizations via RFID. The **c-series** offers MID-certified, intelligently controlled charging that conforms to measuring and calibration laws, as well as integration into the Smart Home. Comprehensive e-mobility solutions such as dynamic local load management are optimally realized with the help of the **x-series**.

The perfect equipment series for every need

	standalone	connected	
Operation	a-series	c-series	x-series
Maximum charging current per phase [A] (model-dependent)	16 32	16 32	16 32
Maximum charging power [kW] (model-dependent)	7,4 11 22	11 22	11 22
LED strip for status information	•	•	•
DC-leakage detection	•	•	•
Power monitoring	-	•	•
Enable input / Switch output	•	•	•
Authorization (RFID)*	•	•	•
Display (freely programmable)	-	•	•
Web interface for configuration settings	-	-	•

Communication interfaces	a-series	c-series	x-series
USB interface	•	•	•
Ethernet interface (RJ45) - Debug	•	•	•
Ethernet interface for permanent installation (LSA+)	-	•	•
Charge control by external systems (Smart Home & Energy Management Systems) via UDP and Modbus TCP (passive)	-	•	•
Dynamic home connection monitoring with an external power meter via Modbus TCP (active)	-	-	•
OCPP communication as a client	-	•	-
OCPP communication as master or standalone	-	-	•
Mobile communication 4G/LTE for wireless communication*	-	-	•
WLAN communication for the wireless integration of wall boxes in an existing network	-	-	•

Load management	a-series	c-series	x-series
Local static or dynamic load management as client	-	•	-
Local static or dynamic load management as master	-	-	•

Energy meter	a-series	c-series	x-series
Energy meter	-	•	•
For the billing of energy consumption - MID-certified*	-	•	•
For the billing of energy consumption - compliant with measuring and calibration laws*	-	•	•
Offline logging of charging sessions (up to 3 months) as master or standalone	-	-	•

* Optional

** Quantity-dependent

Due to technical or legal restrictions, not all variants/options are available in all combinations.

Sales partner
