

## 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 worldwide. 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:

#### • 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, load management 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.

### Four equipment series

Our four KeContact P30 equipment series are built up on each other. The **e-series** is the entry-level variant for simple, cost-optimised charging with an output of up to 7.4 kW. The KeContact P30 **b-series** offers a high degree of individual branding possibilities, the possibility of assigning user authorisations and a charging capacity of up to 22 kW for faster charging. 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



WLAN communication for the wireless integration of wallboxes in an existing network
Mobile communication 4G/LTE for wireless communication to OCPP backend*
Building connection surveillance in combination with an external energy meter
Offline logging of charging sessions (up to 3 months)

Display (freely programmable)	Display (freely programmable)		
Dynamic local load management as a Slave	Dynamic local load management as a Slave		
OCPP communication as a slave	OCPP communication as a master		
Slave for Master/Slave communication	Master for Master/Slave communication		
Load control by external systems via UDP or Modbus TCP	Load control by external systems via UDP or Modbus TCP		
Ethernet interface for permanent installation (LSA+)	Ethernet interface for permanent installation (LSA+)		
Energy meter for the billing of energy consumption: MID-certified / compliant with measuring and calibration laws*	Energy meter for the billing of energy consumption: MID-certified / compliant with measuring and calibration laws*		
Energy meter	Energy meter		
Power monitoring	Power monitoring		
Authorization (RFID, Key)*	Authorization (RFID)*		
Enable input / Switch output	Enable input / Switch output		
Customizing / branding**	Customizing / branding**		
DC leakage detection	DC leakage detection		
Ethernet interface (RJ45)	Ethernet interface (RJ45)		
USB interface	USB interface		
LED strip for status information	LED strip for status information		
<b>e-series</b>	<b>b-series</b>	<b>c-series</b>	<b>x-series</b>
Single phase up to 32A (7,4kW)	Three phase up to 32A (22kW)	Three phase up to 32A (22kW)	Three phase up to 32A (22kW)

DC leakage detection	DC leakage detection
Ethernet interface (RJ45)	Ethernet interface (RJ45)
USB interface	USB interface
LED strip for status information	LED strip for status information
<b>e-series</b>	<b>b-series</b>
Single phase up to 32A (7,4kW)	Three phase up to 32A (22kW)

\* Optional

\*\* Quantity-dependent

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

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Sales partner  
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