

## Product data sheet

Version 11/2022

### Smart Box

#### Energy management Installation set for DIN rail

##### Versions

| Description                    | Item No. |
|--------------------------------|----------|
| Smart Box 3 phase; cloud based | 00010247 |



|                     |  |
|---------------------|--|
| Supply voltage      | 230 V AC,<br>Integrated power supply<br>from the voltage measurement path  |
| Consumption         | approx. 3,7 W  |
| Current range       | 0-400 A; 1-3 phase (contactless with current transformer)  |
| Clamp diameter      | 32 mm  |
| Precision           | 2% (when using the foldable current transformers included in the scope of delivery)  |
| Measured variables  | Current, voltage, current direction, active/reactive/apparent power, fault currents, Load on the neutral conductor, phase shift, frequency |
| Ambient temperature | -0..+50°C, 5.. 90 % rH non-condensing  |
| Pollution level     | 2  |
| Protection class    | IP20   |
| Interface           | LAN  |
| Output interpreter  | eLMS   |
| Housing (W/H/D)     | 107 x 90 x 48 mm   |
| Division units      | 6DU  |
| Packaging           | Carton / 1 Piece   |
| Maße L/B/H          | 294 / 183 / 85 mm  |
| Shipment weight     | 1,95 kg  |

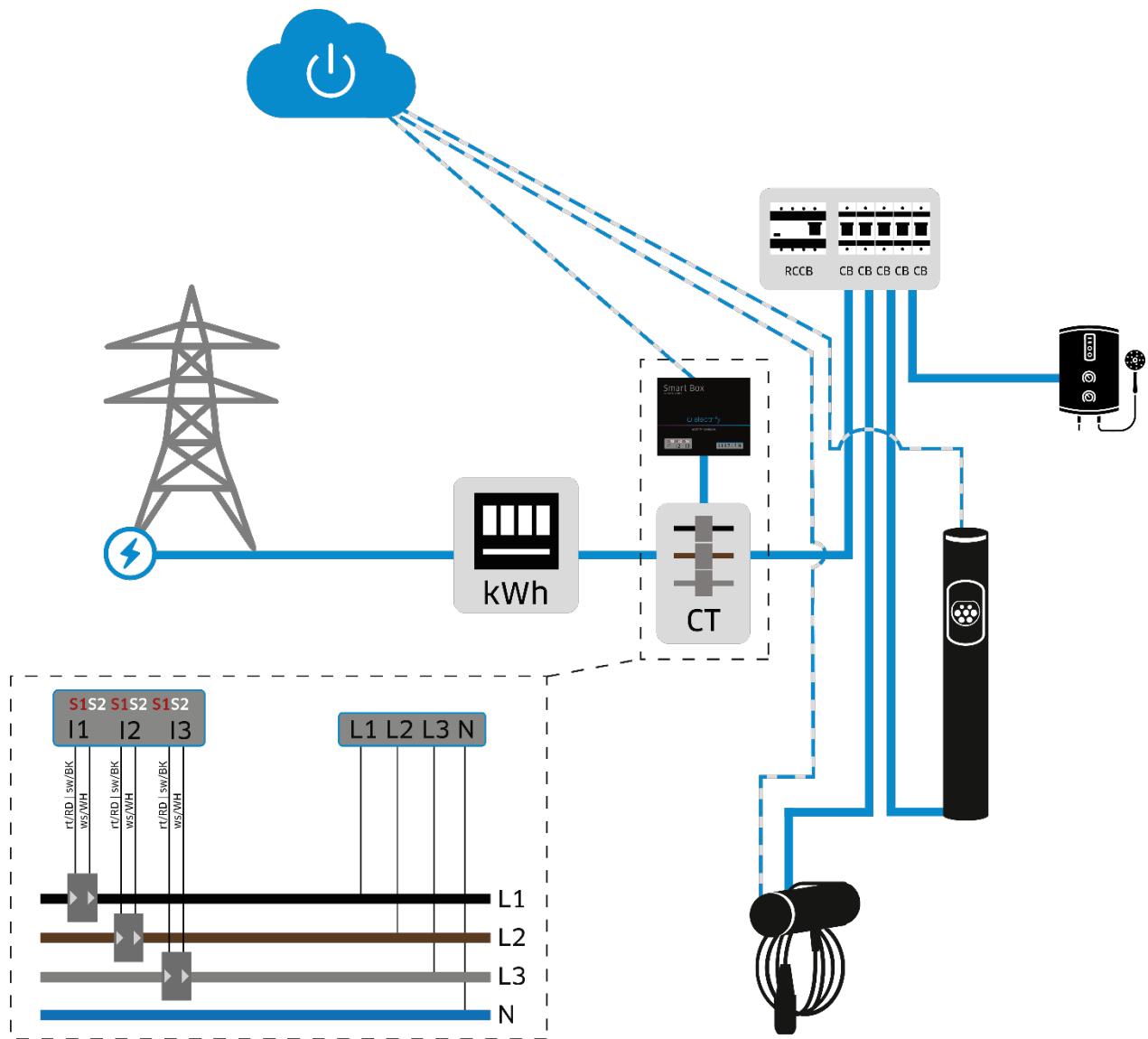
## Smart Box

### Application examples

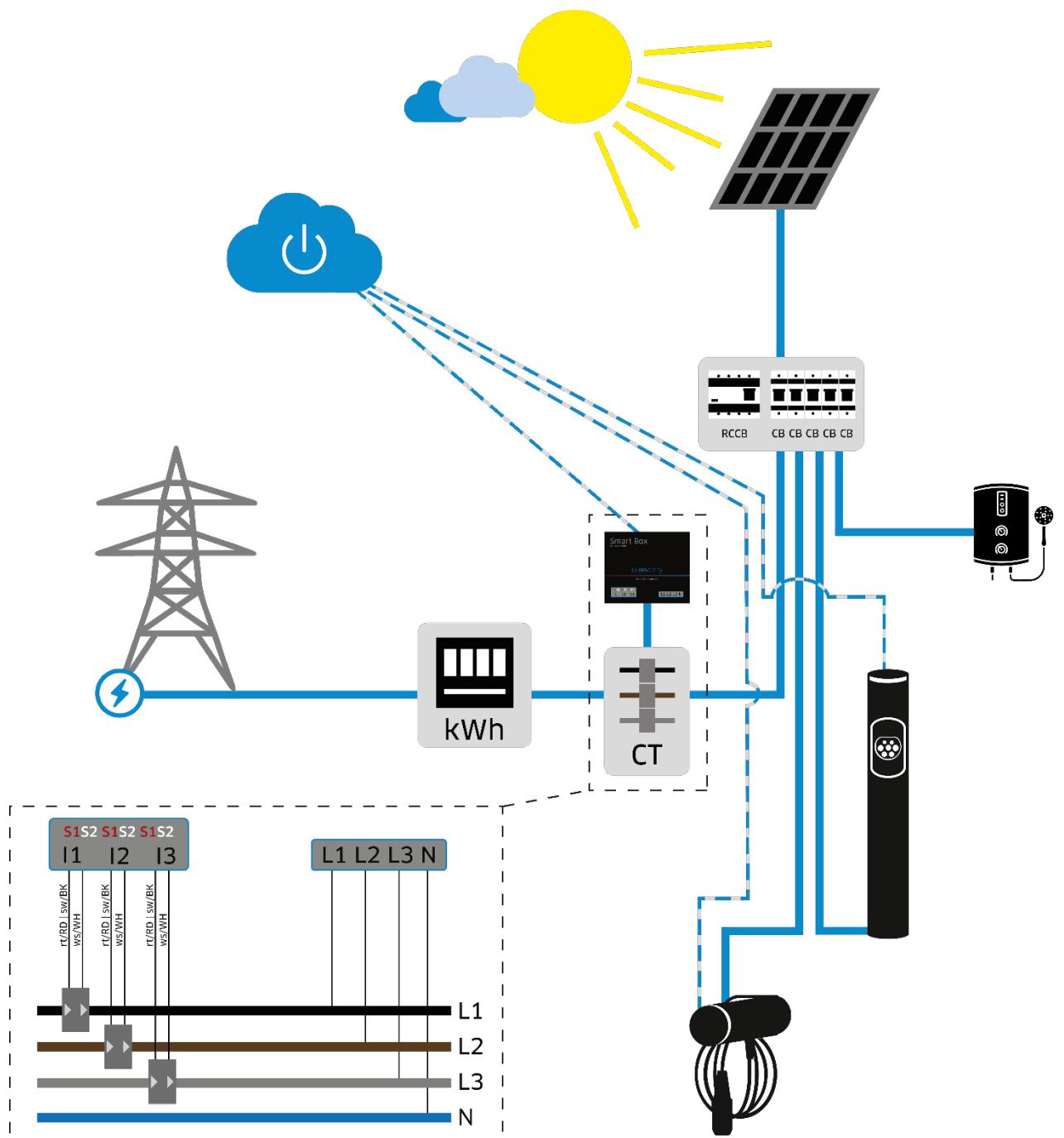
The Smart Box is used for dynamic load measurement or PV surplus detection in an intelligent energy management of individual charging points or a charging group.

After integration into the electrify charging management system ( eLMS), the Smart Box can be configured for a wide range of scenarios.

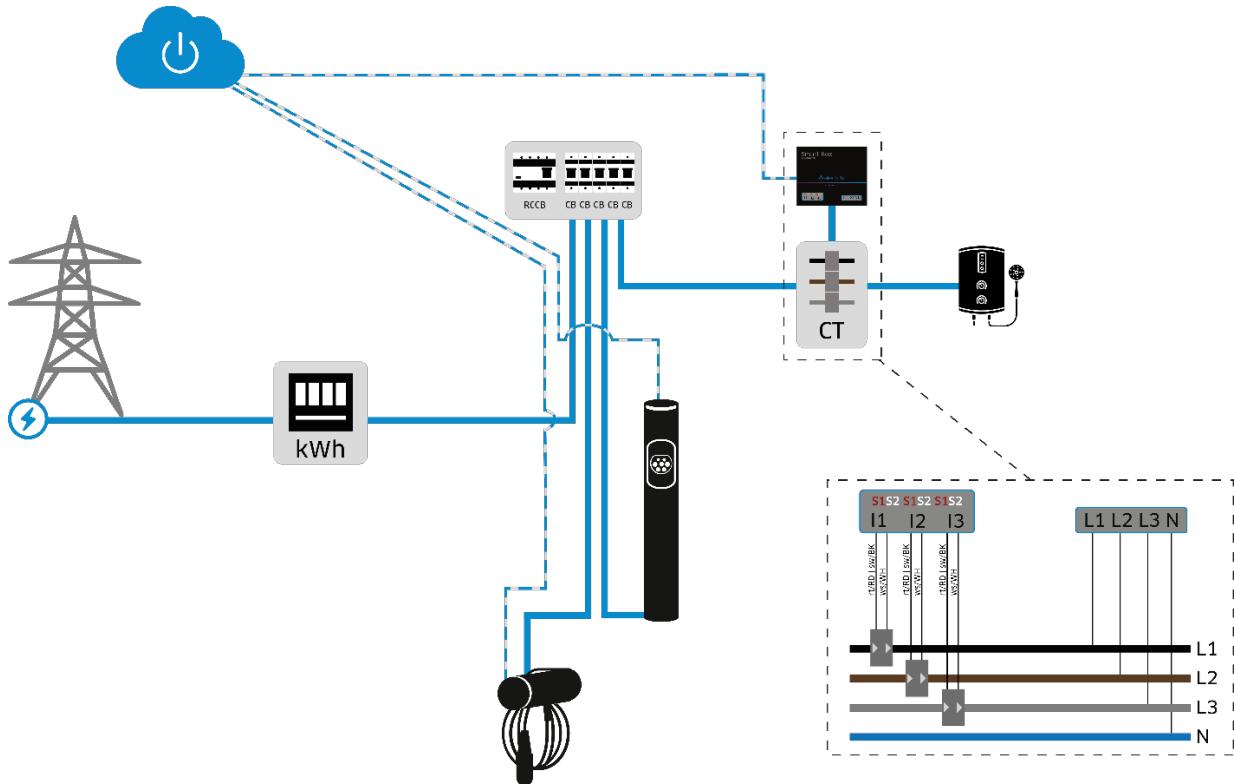
#### Dynamic load measurement



## PV surplus



## External consumer



eLMS -> electrify Chargemanagementsystem (Backend)

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