BALS-CONNECT

Bals

made
in
Germany

BALS CONNECT

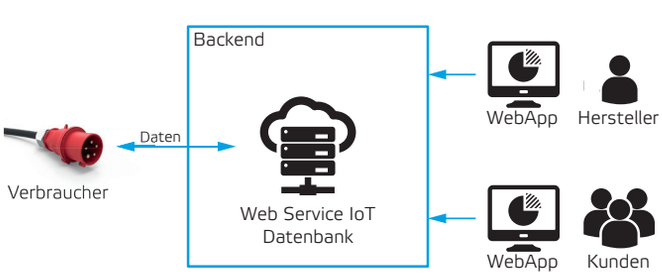
With BALS-CONNECT, the permanent monitoring of individual loads is easier than ever. The ready-to-install solution makes your systems and machines fit for the demands of digitalisation and Industry 4.0. Power distributors that are equipped with BALS-CONNECT ex-works allow the connected loads to be integrated directly in the infrastructure of the networked world. All relevant data of the power consumers are not only continuously recorded and stored, they are also available to you via the Bals Cloud independent of location – uncomplicated, transparent and in real time. Use BALS-CONNECT to increase the efficiency and simplicity in the administration of any number of loads and applications. Highest security standards thanks to state-of-the-art encryption are a matter-of-course.

Functions of the BALS-CONNECT system:

- Integration of distributor systems in the IoT
- Recording of the physical operating parameters
- Energy monitoring of the connected loads
- Quick view of the total consumption of multiple assigned devices
- Ready-to-install complete system for monitoring and recording electrotechnical measurement values
- Bals Cloud for storing the recorded data
- Temperature monitoring of the contacts
- Problem detection in the event of overload, temperature increase or failure
- Mobile data transfer by means of SIM card via GSM or LTE
- Load detection through built-in RFID system
- Assignment and central management of the RFID devices by means of the Bals web app
- Secure and encrypted data transfer with TLS 1.2
- Visualisation of historical and current load data via the web app
- Configuration of the measurement intervals
- IoT connectivity via MQTT protocol
- Data export as CSV file or REST-API

Application examples:

- Container terminals, monitoring of refrigerated containers in port facilities
- Construction industry, monitoring of mobile distributors and power distributors for construction sites
- Distributors in the infrastructure for transport technology
- Reading out and monitoring of power distribution systems
- Event technology, monitoring of the event distributors and their billing
- Surface mining, status of pumps or conveyor belts
- Energy monitoring in production facilities



The schematic operating principle of the BALS-CONNECT system.

The BALS-CONNECT web app clearly displays the load data.

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