# We energize the best solutions



# Power of simplicity Datasheet 2019 v1.0

- > Simple Pairing with Modbus devices
- > Clear Data insight, the way you want it
- > Time saving Data easily measurable
- > Carefree Save data locally for 5 years
- > Set up the monitoring tool yourself or let Controlin take care of it for you
- > Plug, play & connect

### **Product description**

С

With the SKD-Byte it is possible to read different meters locally using only one component.Through Modbus RTU the collected data from the linked meters is communicated to the SKD-Byte. This (historical) data is then converted by the SKD-Byte and presented in a personalized dashboard, which can be accessed locally thanks to a built-in ethernet port. The dashboard which can be designed by you or Controlin, makes it possible to read data easily.

Will this DIN rail monitoring tool (consisting of 2 modules) be part of your energy management?





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### All functionalities at a glance

- Up to a maximum of 127 meters can be connected to the SKD-Byte Modbus RTU
- · Space for three free lines of text per connected meter, for example: object name and location
- Object-oriented configuration using Modbus mapping of the SKD meters
  - SKD meters with a maximum of 20 parameters each
  - A generic meter with a maximum of 100 parameters
- Monitoring tool synchronizes directly from the moment the SKD-Byte is started
- Collect data from connected meters in timestamps of 5 minutes
- VVisualize all data in the monitoring tool
  - Current values and trending data
  - Diagnostic page with insight into error messages, processor load and free memory available on the USB stick
- Type (syntax) error messages
- Duplicate Modbus addresses
  - Removed USB stick
  - Meters with dual names
- Automatically saves collected data on the included USB stick (128 GB)
- Exports collected data to CSV or PDF format
- · Reports include the uploaded logo and the stored customer data
- · Saves collected data for up to 5 years, following this, the FIFO principle is applicable



All communication options at a glance

- Modbus RTU based on RS485
- Modbus TCP (under development)
- · Ethernet protocols to allow the monitoring tool to run on the SKD-Byte - Direct communication between the SKD-Byte and a laptop or other screen





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Rights levels for all user types at a glance

## Rights level 1 - Admin

- Set up the IP address
- Set up the parameters per meter
- · Set up the user management for all rights levels
- Furthermore, the admin has the same rights as the other user levels

## Rights level 2 - User

- Read the meters that are linked to the SKD-Byte
- · Generate the reports and view all meters by using simple selection
- Management of all sub users

## Rights level 3 - Sub user

- Read the meters selected by an admin or a user
- Generate reports and view the meters selected by an admin or a user



### Hardware

- Mounting: DIN rail
- Number of ports: 1 ethernet (10/100) 2 USB (type A)
- Communication: Modbus RTU (RS485), Modbus TCP (under development), USB, ethernet
- Supply: 9-28Vdc
- Dimensions: 62 x 90.5 x 36.3 mm
- Protection class: IP20
- Ambient temperature: 0 °C to + 50 °C

# **Dimensions & connection diagram**



