

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

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.

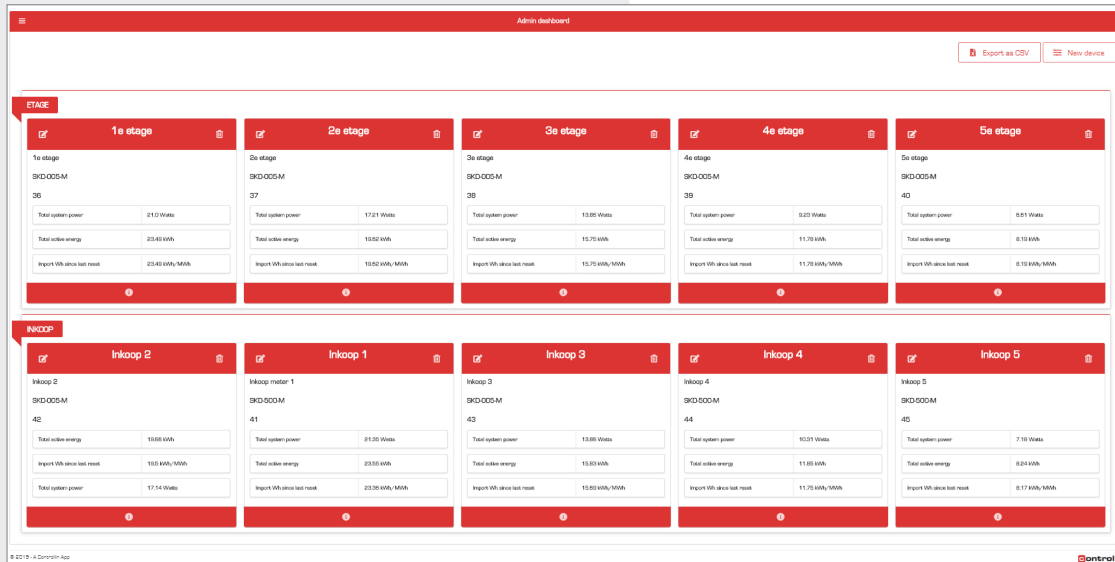
Will this DIN rail monitoring tool (consisting of 2 modules) be part of your energy management?





Functionality

energy in control



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
- Visualize 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



Connectivity

energy in control

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

Device
Add a Device

Device information

Name *	Current address *	Device type *	Group *
Controlin	10	SKD-005-M	KEUKEN
Description *	New address *	+ Add Generic type	<input type="text" value="Tag"/>
Glablozenstraat 1	17		

Parameters

<input type="checkbox"/> Phase 1 volt amps reactive	<input type="checkbox"/> Phase 2 volt amps reactive	<input type="checkbox"/> Phase 3 volt amps reactive
<input type="checkbox"/> Phase 1 power factor	<input type="checkbox"/> Phase 2 power factor	<input checked="" type="checkbox"/> Phase 3 power factor
<input type="checkbox"/> Phase 1 phase angle	<input checked="" type="checkbox"/> Phase 2 phase angle	<input type="checkbox"/> Phase 3 phase angle
<input type="checkbox"/> Average line to neutral volts	<input checked="" type="checkbox"/> Average line current	<input type="checkbox"/> Sum of line currents
<input checked="" type="checkbox"/> Total system power	<input checked="" type="checkbox"/> Total system volt amps	<input checked="" type="checkbox"/> Total system VAR
<input type="checkbox"/> Total system power factor	<input type="checkbox"/> Total system phase angle	<input type="checkbox"/> Frequency of supply voltages

Parameter 1 *
Phase 2 phase angle

Parameter 2 *
Total system power

Parameter 3 *
Total system volt amps

[+ Add](#)

Device details

Inkoop 2
Inkoop 2
Group : INKOOP
SKD-005-M
ID : 42

Total active energy	19.66 kWh
Import Wh since last reset	19.5 kWh/MWh
Total system power	17.14 Watts

Parameters

Total active energy
Import Wh since last reset
Total system power

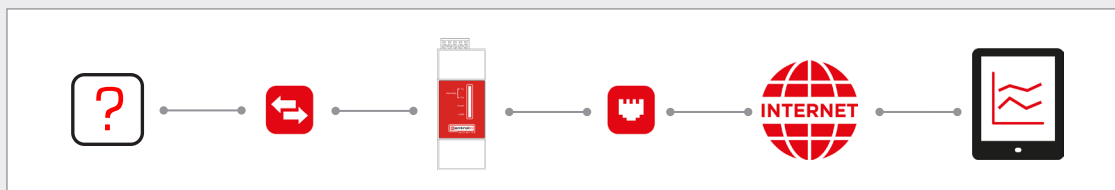
[Compare parameters](#)

[Export](#)

Trending data

1 Day 1 Week 1 Month 3 Months 6 Months 1 Year 3 Years 5 Years

Total system power (Watts)	Import Wh since last reset (kWh/MWh)	Total active energy (kWh)
----------------------------	--------------------------------------	---------------------------





User Management

energy in control

Settings

Company profile

Upload user logo

Browse

Bestand kiezen | Geen bestand gekozen

Username	Password	Password
<input type="text" value="Controlin"/>	<input type="password" value="Password"/>	<input type="password" value="Confirm Password"/>
Address	Email	Telephone
<input type="text" value="Glasblazerstraat 1"/>	<input type="text" value="sales@controlin.nl"/>	<input type="text" value="0180330522"/>

→

Network settings

RESTART BROWSER AFTER SAVING FOR CHANGES TO TAKE EFFECT.

IP address	Netmask length	Default gateway
<input type="text" value="IP Address"/>	<input type="text" value="24"/>	<input type="text" value="Default Gateway"/>

→

Serial settings	Time interval (seconds)
<input type="text" value="19200 8 N 1"/>	<input type="text" value="30"/>

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





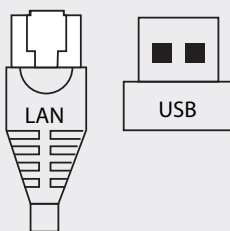
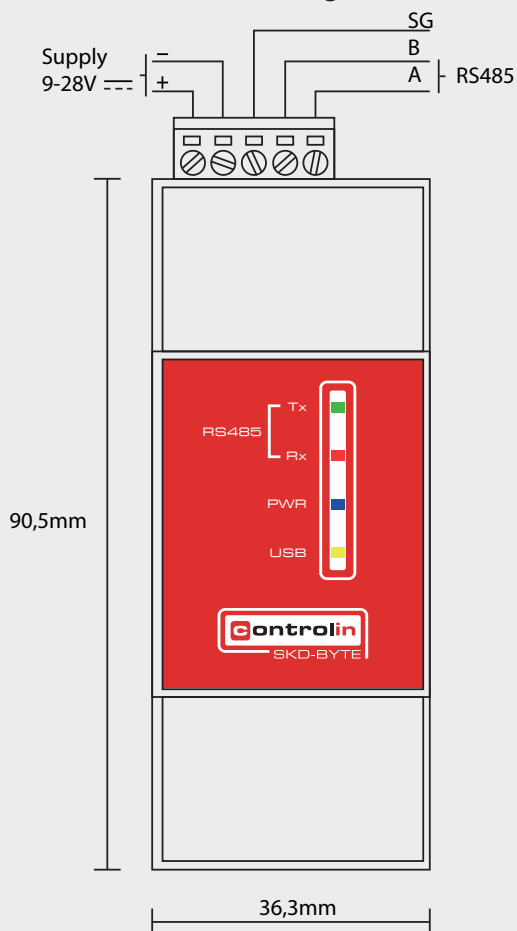
Specifications

energy in control

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



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Test Accessories - Other](#) category:

Click to view products by [TE Connectivity](#) manufacturer:

Other Similar products are found below :

[AO1026](#) [AO1035](#) [AO1051](#) [AO1059](#) [149118](#) [C20](#) [RS40](#) [RS41](#) [AO1030](#) [AO1032](#) [AO1036](#) [AO1058](#) [4742](#) [KTS288540](#) [00415](#) [00163](#)
[046450](#) [GPR10](#) [ADPTR-HDV](#) [VS-AVT-C02-L03](#) [VS-AVT-CABLE-04](#) [VS-AVT-CABLE-16](#) [VS-AVT-CABLE-20](#) [VS-AVT-CABLE-30](#)
[VS-CKP14-6](#) [VS-CKP4-000](#) [VS-AVT2-C02L03](#) [VS-AVT2-C08L10](#) [CKSB1-00](#) [CKSB6-2](#) [CKSB10-8](#) [GP73800080](#) [MPT-VF](#) [98-CAL020](#)
[LSP08-RTS](#) [1-1437358-1](#) [4408 POMONA](#) [AX-904](#) [DME D110 T1](#) [LMLH 50](#) [1508-POM](#) [00836](#) [85392-12](#) [207P18.2222.F](#) [CR-31](#) [7708](#)
[ST18/SMAM/SMAM/72](#) [CT2299](#) [C700](#) [34192A](#)