

# 16.14 KOSTAL

## Overview

Kostal protocol is used to communicate with Kostal devices over serial communication.

## Configuration

Kostal parameters for the *Device* tab

| Parameter     | Type    | Description   | Required | Default value<br>(when not specified) | Range  |       |
|---------------|---------|---|----------|---------------------------------------|--|-------|
|               |         |   |          |                                       | Min  | Max   |
| name          | string  | User-friendly device name   | Yes      |                                       |  |       |
| description   | string  | Description of a device   | No       |                                       |  |       |
| device_alias  | string  | Alphanumeric string to identify a device                                    | Yes      |                                       |  |       |
| enable        | boolean | Enabling/disabling of a device  | No       | 1                                     | 0  | 1     |
| protocol      | string  | Protocol to be used.  | Yes      |                                       | kostal   |       |
| id            | integer | Kostal device id  | Yes      |                                       |  |       |
| device        |         | Communication port  | Yes      |                                       | PORT1  | PORT2 |
| baudrate      | integer | Communication speed (bauds/s)   | No       | 9600                                  | 300, 600, 1200, 2400, 4800, 9600, 19200, 38400, 57600,115200 |       |
| databits      | integer | Data bit count for communication  | No       | 8                                     | 6  | 9     |
| stopbits      | integer | Stop bit count for communication  | No       | 1                                     | 1  | 2     |
| parity        | string  | Communication parity option   | No       | none                                  | none, even, odd  |       |
| scan_rate_ms  | integer | Delay before closing serial port in milliseconds                            | No       | 10000                                 |  |       |
| poll_delay_ms | integer | Minimum time delay in milliseconds to wait before sending any data on port. | No       | 200                                   |  |       |
| timeout_ms    | integer | Timeout of waiting for incoming requests in milliseconds                    | Yes      |                                       | 0  | 60000 |

Kostal parameters for the *Signals* tab

| Parameter | Type | Description | Required | Default value<br>(when not specified) | Range |  |
|-----------|------|-------------|----------|---------------------------------------|-------|--|
|           |      |             |          |                                       |       |  |

|                     |         |   |     |   | Min | Max |
|---------------------|---------|---|-----|---|-----|-----|
| signal_name         | string  | User-friendly signal name                                 | Yes |   |     |     |
| device_alias        | string  | Device alias from a Devices tab                           | Yes |   |     |     |
| signal_alias        | string  | Unique alphanumeric name of the signal to be used         | Yes |   |     |     |
| enable              | boolean | Enabling/disabling of an individual signal                | No  | 1 | 0   | 1   |
| log                 | integer | Enable logging in the event log                           | No  | 0 |     |     |
| number_type         | string  | Type of a number (FLOAT, DOUBLE, DIGITAL, etc.)           | Yes |   |     |     |
| job_todo            | string  | Tag job as single or multiple comma-separated OBIS codes  | Yes |   |     |     |
| tag_job_todo        | string  | Tag sub job   | Yes |   |     |     |
| pulse_short_time_ms | integer | The time interval for a short output pulse to stay active | No  | 0 |     |     |
| pulse_long_time_ms  | integer | The time interval for a long output pulse to stay active  | No  | 0 |     |     |

🕒Revision #2  
★Created 22 November 2024 07:15:18 by Gabriele  
✍Updated 11 February 2025 08:27:51 by Andrej