

## EnergyCam Interfaces

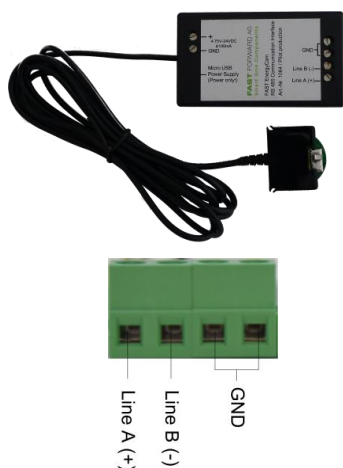
### Datasheet



The EnergyCam Communication Interfaces enable the wired communication of EnergyCam via M-Bus, RS 485 (Modbus), USB or open wire cable.

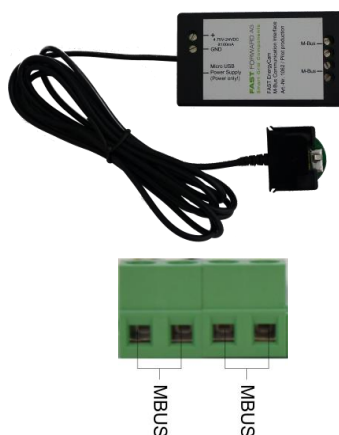
#### EC1 RS 485 Interface

Art. Nr. 1064



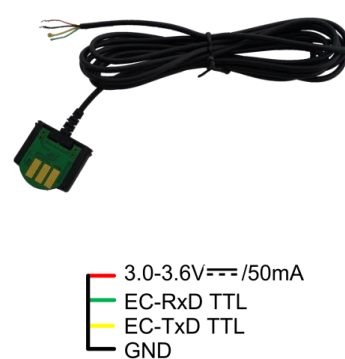
#### EC1 M-Bus Interface

Art. Nr. 1062



#### EC1 Interface Cable

Art. Nr. 1068



### Technical specs

	EC1 RS 485 Interface Art. Nr. 1064	EC1 M-Bus Interface Art. Nr. 1062	EC1 Interface Cable Art. Nr. 1068
<b>Data transfer</b>			
Interface	Connector board for EnergyCam main unit		
Protocol	Modbus	M-Bus (EN1434-3 / EC13757)	Modbus
Data transfer and power supply ports	Screw terminal blocks: 2-pole for power supply 4-pole for data transfer	Screw terminal blocks: 2-pole for power supply 4-pole for data transfer	2.0m 4-wire cable for data transfer and power supply
<b>Electrical properties</b>			
Power supply	4.75-24 VDC / $\geq 100$ mA	4.75-24 VDC / $\geq 100$ mA	3.0-3.6 VDC / $\geq 100$ mA
<b>General</b>			
Housing material	ABS, black, 4 screws		
Dimensions	70 x 40 x 20mm, 1.9m cable	70 x 40 x 20mm, 1.9m cable	2.0m cable
Weight	54 g	53 g	20 g

### EC1 USB Interface Art. Nr. 1063



For EnergyCam configuration and firmware updates with ECWin software via serial interface.

The EC1 USB Interface Art. Nr. 1063 is recommended for connecting an EnergyCam main unit to a PC (Micro-USB data cable not included).

#### Technical specs

EC1 USB Interface Art. Nr. 1063											
<b>Data transfer</b>											
Interfaces	Micro-USB socket for connecting a PC, 1.9m cable with connector board for EnergyCam main unit										
Protocols	Modbus										
Default communication parameters of EnergyCam main unit	<table border="1"> <thead> <tr> <th>Modbus</th> <th>M-Bus</th> </tr> </thead> <tbody> <tr> <td>Baudrate: 115200</td> <td>Baudrate: 2400</td> </tr> <tr> <td>Parity: even</td> <td>Parity: even</td> </tr> <tr> <td>Stopbits: 1</td> <td>Stopbits: 1</td> </tr> <tr> <td>Slave address: 1</td> <td>Slave address: 1</td> </tr> </tbody> </table>	Modbus	M-Bus	Baudrate: 115200	Baudrate: 2400	Parity: even	Parity: even	Stopbits: 1	Stopbits: 1	Slave address: 1	Slave address: 1
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Baudrate: 115200	Baudrate: 2400										
Parity: even	Parity: even										
Stopbits: 1	Stopbits: 1										
Slave address: 1	Slave address: 1										
<b>Electrical properties</b>											
Power Supply	5 V DC / $\geq 100$ mA Micro-USB										
<b>General</b>											
Housing material	ABS, black, 4 screws										
Dimensions	70 x 40 x 20 mm, 1.9m cable										
Weight	48 g										