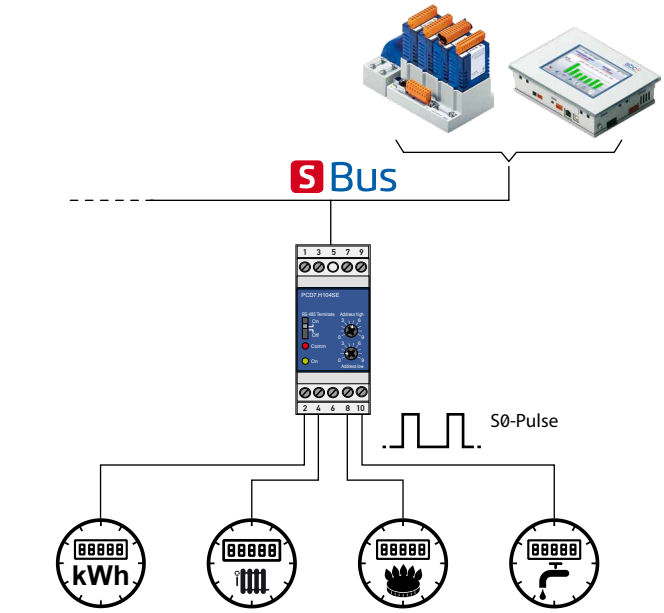
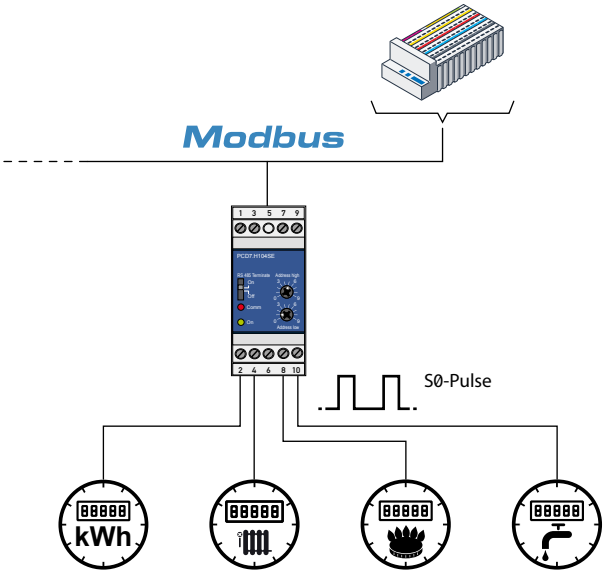
Saia PCD® S0 pulse meters

Collecting, converting and transmitting S0 pulses

If already installed meters, which are not bus-capable, are to be integrated in an automation system, the Saia PCD7.H104 S0 pulse meter is the easiest way. This is the case for refurbishments, for example, if the existing meter infrastructure has to be made bus-capable and new meters are not simply purchased. With this S0 pulse meter, meters (electricity, water, heat, etc.) with a S0 pulse output from any desired manufacturer can be connected directly to the Saia PCD®, E-Monitor or any desired controller via a serial RS-485 S-Bus or Modbus connection. This enables efficient transfer, evaluation and forwarding of energy data without additional complicated coupler modules. For connection to Saia PCD® systems, there are ready-made FBoxes. Via the interfaces, the number or weights of pulses can be transmitted.





General technical data

Operating Voltage	230 VAC (–20/+15 %)
Current draw	< 12 mA
Power consumption	< 3 W
Number of S0 inputs	4, corresponds to S0-Norm standard 62053-31
Frequency	Max, 17 Hz
Pulse low/high	Min. 30 ms

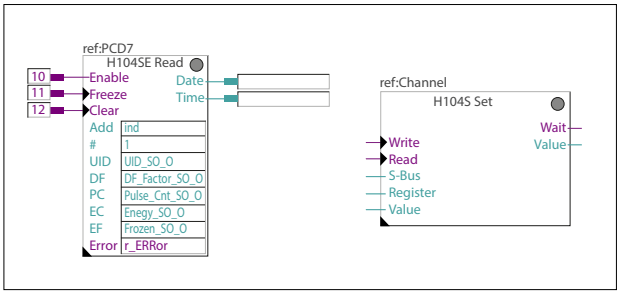
Saia S-Bus

Order number	PCD7.H104SE
Log	SBC-Bus data mode
Bus system	Serial RS-485 interface
Transmission rate	2 400-4 800-9 600-19 200-38 400-57 600-115 200 The transmission rate is detected automatically
Bus length (max.)	1,200 m (without amplifier)
Response time	Write: 30 ms
System response time	Read: 20 ms

Modbus

Order number	PCD7.H104D
Log	Modbus RTU gemäss IDA-Spezifikation
Bus system	Serielle RS-485-Schnittstelle
Transmission rate (bit/s)	2400-4800-9600-19 200-38 400-57 600-115 200 The transmission rate is detected automatically
Bit settings	8 datenbit, even parity, 1 stop bit 8 datenbit, odd parity, 1 stop bit 8 datenbit, no parity, 2 stop bit
Maximum bus length	1,200 m (without amplifier)
Response time	Type 5 characters
System response time	Max. 60 ms

FBoxes for integration in Fupla



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