



SYNERGYR[®] METERING SYSTEM

Pulse converter

WHZ.S0

The pulse converter WHZ.S0 integrates meters with S₀ interfaces into the SYNERGYR[®] Radio Metering System and into SYNERGYR[®] M-Bus Metering System.

Application

By means of the pulse converter pulse adapters AEW2x.2 can be connected to electricity meters with S₀ interface where a direct connection of the AEW2x.2 is impossible. The pulse converter is used within wireless remote read-out or M-Bus remote read-out systems.

Functions

- Conversion of S₀ outputs into open-collector outputs
- Alteration of the input / output pulse ratio 1:1, 1:10, 1:100 (optional)

Ordering

When ordering please mention the type reference **WHZ.S0**.

Electricity meters

The following electricity meters can be connected to the pulse adapters AEW2x.2 by means of the pulse converter:

- Siemens, ZMB, ZMD
- ABB, WHxxx
- NZR, EHZ2689
- different types on request

The default input / output pulse ratio of the pulse converter is 1:1 with an output pulse length of 270 ms. Usually, these default settings do not have to be changed.

Mounting and commissioning

The pulse converter is fitted on the mounting rail.

To change the default settings remove the upper cover to access the DIP switches.

DIP-switch	Default	
1	OFF	100:1 output pulse, pulse width adjustable
2	OFF	10:1 output pulse, pulse width adjustable
3	ON	1:1 output pulse, pulse width adjustable
4	OFF	1:1 output pulse, pulse width remains unchanged
5	OFF	

Technical data

General	Power supply	AC 230 V +10 / -15 %
	Frequency	50/60 Hz
	Power consumption	1,5 VA
	Ambient temperature for operation	0...50 °C
	Housing	Mounting rail housing, 53 mm width
Standards	CE conformity electromagnetic compatibility	EN55011, DIN EN 61000, ENV 50204

Connection terminals

- Power supply is connected to L1 and N (AC 230 V, fuse maximum 2 A)
- The electricity meter is connected to -S0 and +S0 (take notice of the polarity)
- The pulse adapter AEW2x.2 is connected to -AEW and +AEW (take notice of the polarity).

Dimensions

