

Type	Three phase direct	One phase direct
<b>Voltage</b>		
Nominal voltage $U_n$	3x230/400 Vac	230 Vac
Voltage range	0.8 – 1.15 $U_n$	
<b>Frequency</b>		
Nominal frequency $f_n$	50 Hz	
Frequency range	0.98 – 1.02 $f_n$	
<b>Current</b>		
Reference current $I_{ref} = I_b = 10 I_{tr}$	5 A	
Maximum current $I_{max}$	65A	
Minimum current $I_{min}$	0.25 A	
Starting current $I_{st}$	≤ 0.004 $I_b$	
<b>Accuracy</b>		
Cl. B	Class B in compliance with EN 50470-3	
<b>Measuring Active Energy</b>		
Two Energy Directions	+A/-A	+A reverse locking
<b>Meter constant</b>		
LED-Output	1000 Imp/kWh	
<b>Display</b>		
LCD	7 digit	6 digit
Life cycle	> 12 years	
<b>RS485- Data Interface</b>		
Connector	3P meter: Three screws type 1P meter: Two screws type (no GND)	
Parameter	9600/19200/38400 bps, 8E1	
Communication protocol	Modbus RTU	
Default settings	Baud rate: 9600. Data bits: 8 Parity: Even Stop bits: 1 Address: 1	

<b>Power Consumption</b>		
Voltage circuit	< 0.7 W / 5.5 VA at $U_n$	< 0.4 W / 5.5VA at $U_n$
Current circuit	< 0.015 VA at $I_b$	< 0.012 VA at $I_b$
<b>Temperature Range</b>		
Typical Operation	-30°C to +70°C	
Storage	-40°C to +85°C	
<b>EMC Properties</b>		
Isolation	4 kV AC, 50 Hz, 1min	
High Voltage	7kV, Impulse 0.1/2000 $\mu$ s	
<b>Housing</b>		
Dimension	DIN-Rail 90x70x62 mm	DIN-Rail 86x35x62 mm
Material	fiber-glass reinforced Polycarbonate (flame resistant EN 62053-21)	
Class of protection	II	
Degree of protection	IP21 (IP 51 in protective enclosure)	
<b>Weight</b>		
Weight	appr. 0,26 kg	appr. 0,13 kg