Type	Three phase direct	One phase direct
Voltage		
Nominal voltage U_n	3x230/400 Vac	230 Vac
Voltage range	0.8 – 1.15U_n	
Frequency		
Nominal frequency f_n	50 Hz	
Frequency range	0.98 – 1.02 f_n	
Current		
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	
Accuracy		
Cl. B	Class B in compliance with EN 50470-3	
Measuring Active Energy		
Two Energy Directions	+A/-A	+A reverse locking
Meter constant		
LED-Output	1000 Imp/kWh	
Display		
LCD	7 digit	6 digit
Life cycle	> 12 years	
RS485- Data Interface		
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	

Power Consumption		
Voltage circuit	< 0.7 W / 5.5 VA at U_n	< 0.4 W / 5.5VA at Un
Current circuit	< 0.015 VA at I_b	< 0.012 VA at I_b
Temperature Range		
Typical Operation	-30°C to +70°C	
Storage	-40°C to +85°C	
EMC Properties		
Isolation	4 kV AC, 50 Hz, 1min	
High Voltage	7kV, Impulse 0.1/2000 µs	
Housing		
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)	
Weight		
Weight	appr. 0,26 kg	appr. 0,13 kg