



KLEFR

Specifications KLEFR 6934



Specifications

Nominal voltage (Un)	230/400V AC (3~)				
Operational voltage	3*230/400V ±20%				
Insulation capabilities:					
- AC voltage withstand	4KV for 1 minute				
- Impulse voltage withstand	6KV - 1,2 μS waveform				
Base current (Ib)	5A (1.5A for CT version)				
Maximum rated current (Imax)	100A (6A for CT version)				
Operational current range	0,4%Ib-Imax				
Overcurrent withstand	30Imax for 0,01s				
Operational frequency range	45-60Hz				
Internal power consumption	≤2W/Phase - ≤10VA/Phase (active - reactive)				
M-bus unit loads	± 2				
Test output flash rate (RED LED)	10.000 imp/kWh				
Pulse output rate	10.000/2.000/1.000/100/10/1/ 0,1/ 0,01 imp/kWh				
Pulse width:					
- 10.000 imp/kWh					
o 0 - 4.999W	40ms	o 10.000 - 19.999W	10ms	o >40.000W	2,5ms
o 5.000 - 9.999W	20ms	o 20.000 - 39.999W	5ms		
- 2.000 imp/kWh					
o 0 - 46799W	20ms	o ≥ 46800W	15ms		
- 1.000 imp/kWh					
o Fixed pulse width	30ms				
- 100 imp/kWh					
o <50.000W	40ms	o >50.000W	20ms		
- Other pulses	40ms				
Operating temperature	-40°C - +70°C ^(100A version) / -25°C - +70°C ^(CT version)				
Accuracy class	B (=1% accuracy)				

Default settings

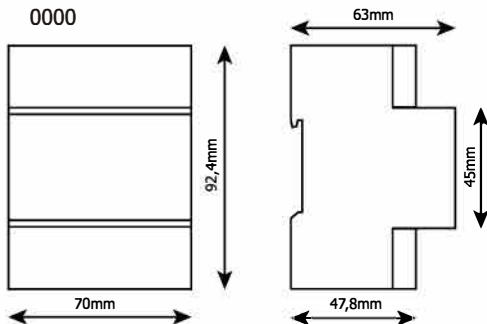
LCD cycle time	10s	Automatic scroll	Total active energy, active power	
Backlight	Button	Baud rate	M-bus: 2400	Modbus: 9600
S0 output	1.000	Parity	Even	
Combination code	C01 (forward only)	Password	0000	
Modbus/M-bus ID	01/00			

Dimensions

Height	92,4 mm
Width	70 mm
Depth	63 mm
Max. diameter power connection clamps	25mm ² (flex core) 35mm ² (solid core)
Weight	0,39 Kg (net)

NOTE: The housing is sealed, do not open the meter!

No warranty if the housing is opened or the seal is removed.



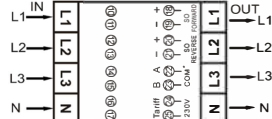
Connection diagram (3 phase/4wire)*

L1 (IN) Phase 1 input - L1 (OUT) Phase 1 output
 L2 (IN) Phase 2 input - L2 (OUT) Phase 2 output
 L3 (IN) Phase 3 input - L3 (OUT) Phase 3 output
 N (IN) Neutral input - N (OUT) Neutral output
 18 & 19 Pulse output contact (S0) forward
 20 & 21 Pulse output contact (S0) reverse
 22 & 23 Modbus/M-bus communication contact
 24 & 25 External tariff input (230V)

*1 phase 2 wire and 3 phase 3 wire Delta and Aron connection also possible.

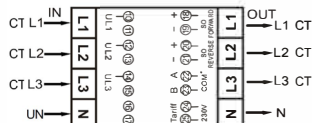
PRO380 100A version:

10 / 11 Not used
 12 / 13 Not used
 14 / 15 Not used
 16 / 17 Not used



PRO380 CT version:

10 / 11 Phase 1 - UL 1
 12 / 13 Phase 2 - UL 2
 14 / 15 Phase 3 - UL 3
 16 / 17 Not used



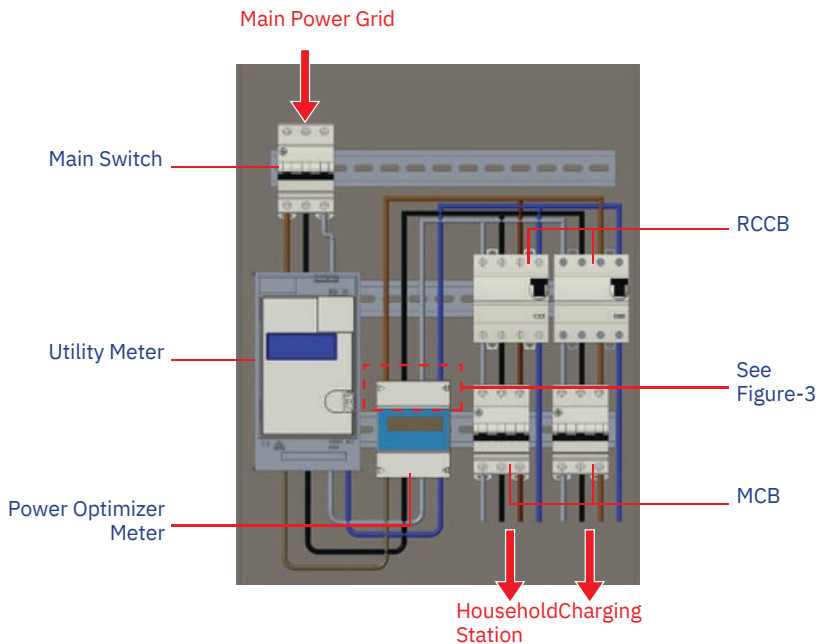


Figure-2

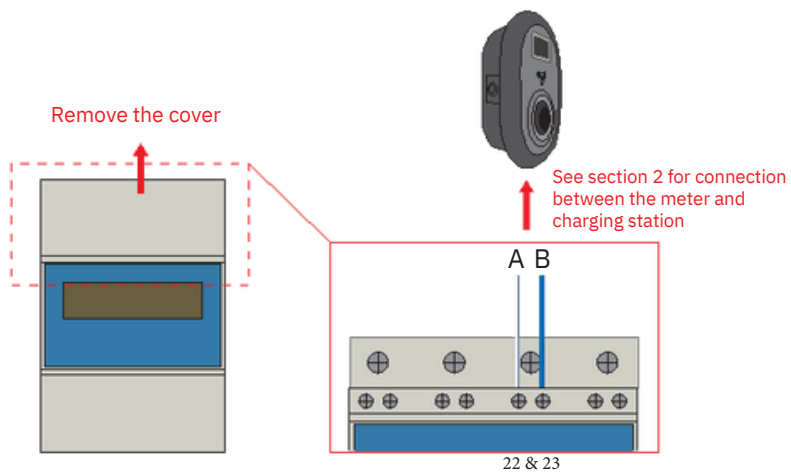
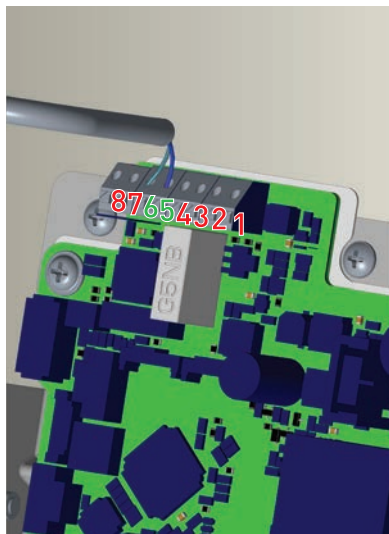


Figure-3



Kabel aansluiting	Kabel kleur	Omschrijving
6 (CN20-2)	Wit Blauw	A (COM)
5 (CN20-1)	Blauw	B (COM)