

TECHNICAL DATA

DISPLAY

mechanical counter	7-digits
digit height	4mm
max. display	9999999
accuracy (class)	2%

INPUT

current transformer	5A or 1A
voltage input	400V (-20%; +15%) 50 or 60Hz
continuous overload	1,2In; 1,15Un
instantaneous overload	20In/0,5s; 2Un
self consumption (current)	<0,5VA (each phase)
(voltage)	<3VA (each phase)
Insulation	2kV/50Hz (1')

PULSE OUTPUT

output type	Photo-MOS
reference norm	DIN SO 43864
pulse rate	1Imp./1Wh or 1Imp./10Wh or 1Imp./100Wh or 1Imp./1kWh or 1Imp./10kWh or 1Imp./100kWh selectable; depending on primary current
pulse period	ca. 100ms
max. voltage	max. 250V / 100mA

NORMS

IEC 1036
IEC 255-4
IEC 801-2, class 4
IEC 801-3, class 3
IEC 801-4, class 4

ENVIRONMENTAL CONDITIONS

reference temperature	23°C ± 2°C
function temperature	-20...55°C
storage temperature	-25...70°C

HOUSING

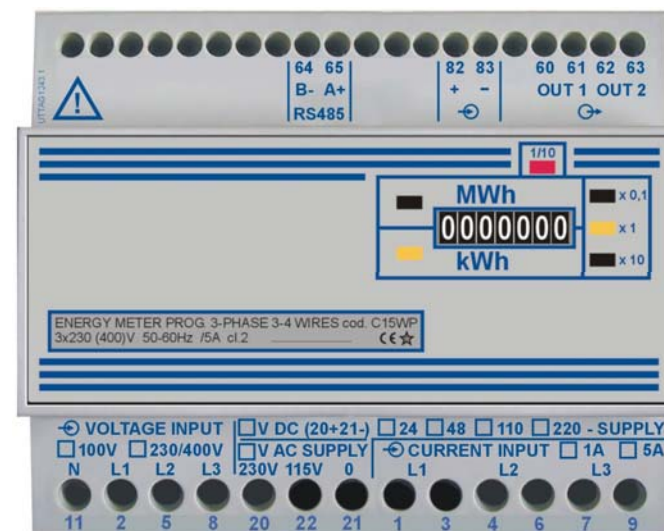
dimensions	6 modules DIN 43880 (105x58x90mm)
fixing	DIN-rail 35mm (EN 50022)
protection	IP20
colour	RAL 7035
weight	ca. 0,35 kg

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USER MANUAL

kWh Energy counter for three-wires three-phases balanced load type

C15WY



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CURRENT TRANSFORMER

The dip switches are behind the frontal label:

(please note: the frontal label must be glue on after programming the current transformer ratio and the pulse output)

1. Current transformer ratio (Dip No. 1 ... 6):

Primary current	Dip switch 123456	Counter factor	Primary current	Dip switch 123456	Counter factor	Primary current	Dip-switch 123456	Counter factor
5A	111111	x0,1	125	010011	x0,1	1250	101001	x1
10A	011111	x0,1	150	100011	x0,1	1500	001001	x1
15A	101111	x0,1	160	000011	x0,1	1600	110001	x1
20A	001111	x0,1	200	111101	x0,1	2000	010001	x1
25A	110111	x0,1	250	011101	x0,1	2500	100001	x1
30A	010111	x0,1	300	101101	x1	3000	000001	x10
40A	100111	x0,1	400	001101	x1	4000	111110	x10
50A	000111	x0,1	500	110101	x1	5000	011110	x10
60A	111011	x0,1	600	010101	x1	6000	101110	x10
75A	011011	x0,1	750	100101	x1	7500	001110	x10
80A	101011	x0,1	800	000101	x1	8000	110110	x10
100A	001011	x0,1	1000	111001	x1	10000	010110	x10
120A	110011	x0,1	1200	011001	x1	12000	100110	x10

(1) ON (0) OFF

The LEDs show the resolution of the mechanical counter:

1. mech. counter show kWh or MWh
2. factor for counter (x0,1 or x1 or x10)

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PULSE OUTPUT / WIRING DIAGRAM / DIMENSION

2. Pulse ratio (Dip No. 7 and 8):

primary current:	xxxxxx00	xxxxxx10	xxxxxx01	xxxxxx11
5 ... 250A	1 pulse/10KWh	1 pulse/1KWh	1 pulse/100Wh	1 pulse/10Wh
300 ... 1600A	1 pulse/100KWh	1 pulse/10KWh	1 pulse/1KWh	1 pulse/100Wh
2000 ... 12000A	1 pulse/1000KWh	1 pulse/100KWh	1 pulse/10KWh	1 pulse/1KWh

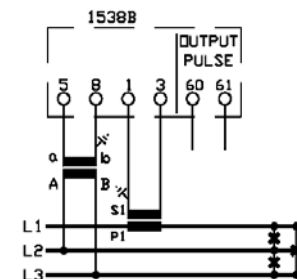
Please note: Max. 5 pulses per second are technical useful !

(1) ON (0) OFF

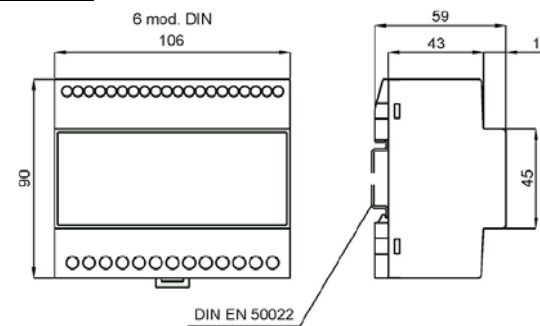
! Select current transformer and pulse ration only when line and power supply is switched off! Correct transformer polarization [K-k (P1-S1) and L-I (P2-S2)] primary and secondary is very important !

Wiring diagram of C15WY:

Up to 440V voltage transformers are not necessary !



Dimensions of C15WY:



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