

THREE PHASE ENERGY METERS



TCIDL

TCIL

MODEL

Display
Number of digits

LCD
6 + 2

LCD
(6+2), (7+1), (8) (depending on the C.T. ratio)

CURRENT INPUT

Ib (IMAX)
Consumption
Measuring range
Starting current
Programmable C.T. ratio

10(80) A
< 3VA
0-100 % IMAX
< 0.4% Ib

1.5(6) A
< 1VA
0-100 % IMAX
< 0.2% Ib
YES (from 5A to 6000A)

VOLTAGE INPUT

Nominal voltage (Un)
Consumption
Frequency

3 x 230/400 V +/-20%
< 8VA
50 ... 60 Hz

3 x 230/400 V +/-20%
< 8VA
50 ... 60 Hz

PULSE OUTPUT

Number of outputs
Pulse weight
Type
Supply
Maximum current
Voltage
Pulse length
Dielectric test

1
100 pulses / kWh
SO DIN 43684 by opto.
external
< 20mA
< 24V DC
> 50 ms
3kV, 1min.

1
1, 10 or 100 / kWh (depending on the C.T. ratio)
SO DIN 43684 by opto.
external
< 20mA
< 24 V DC
> 50 ms
3kV, 1min.

OPERATION FEATURES

Class
Operation temperature
Energy indicator (LED)
LED indicator for current detection

1
-20 ... 55°C, 85% HR
1000 pulses / kWh
YES

1
-20 ... 55°C, 85% HR
12000 pulses / kWh
YES

CONSTRUCTIVE FEATURES

Case
Mounting
Sealable connection terminals
Max. cable section:
for current inputs
for voltage inputs / pulses

DIN 4 modules
DIN RAIL 35mm
YES

DIN 4 modules
DIN RAIL 35mm
YES

25 mm²
— / 2.5 mm²

10 mm²
2.5mm² / 2.5mm²

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