

# Energy Meters

## Static meter 125 A direct connection



Direct connection for three-phase network, 4-wires.  
It makes available active or reactive energy counting of the pulse output to integration of consumption supervision systems.  
For supervision systems, through the model with output RS485 communication Modbus RTU, you can transmitted on the network main electrical parameters in addition to the energy consumption.

### Functions

- Total active and reactive energy (positive)
- Partial active and reactive energy (resettable)
- Instantaneous current, voltage and frequency
- Active and reactive power (three-phase and single phase)
- Run hour meter (count start 0,4...50% rated power)

Item	Conto D6 Pd		
	Network	Output	Input
CE6DT1256	3Ph + N	Pulse + RS485 Modbus RTU	Double tariff
CE6DT1252	3Ph + N	Pulse	Double tariff

### Technical features

INPUT CURRENT	
Starting current (Ist)	0,04A
Min. current (Imin)	0,5A
Basic current (Ib)	10A
Max. current (Imax)	125A
Short-time overcurrent	30I <sub>max</sub> /10ms
Power consumption	1,5W for phase

INPUT VOLTAGE	
Reference three-phase voltage	400V
Specified operating range	+/-15%

NETWORK	
Reference frequency	50-60Hz
Frequency tolerance	47...63Hz

AUXILIARY SUPPLY	
Nominal voltage	Taken from measurement (self-supplied)

ACCURACY	
Active energy kWh EN/IEC 62053-21	cl. 1
Reactive energy kvarh EN/IEC 62053-23	cl. 2

DISPLAY	
Type	Backlit LCD
Digit height	6mm
Energy resolution	999999,99 kWh/kvarh

MECHANICAL FEATURES	
Housing	6 module DIN 43880 (35mm)
Housing material	self-extinguishing polycarbonate
Protection degree	IP20 terminals/ IP54 front frame
Sealable terminals	Yes
Connections type	screw terminals
Cable with lag	output - max 1mm <sup>2</sup> input - max 50mm <sup>2</sup> (16 neutral)
Flexible cable	output - max 2,5mm <sup>2</sup> input - max 35mm <sup>2</sup> (16 neutral)

ENVIRONMENTAL CONDITIONS	
Nominal temperature range	-25...55°C
Limit range for storage and transport	-40...70°C
Suitable for tropical climates	yes
Max.power dissipation*	≤6W

\*For switchboard thermal calculation

### Output

ENERGY PULSES S0 EN/IEC 62053-31	
Type	Optorelay with potential-free
Contact range	27Vdc/ac - 50mA
Assignable energy	Active or reactive energy
Pulse weight	selectable 1Wh/varh...10kWh/kvarh
Pulse duration	selectable 50...500ms

RS485 COMMUNICATION	
Protocol	Modbus RTU/TCP
Standard	RS485-3-wire
Baud rate	selectable 4800...19200 bit/s

### Input

Type	Free contact (voltage)
Contact characteristics	12-24Vdc -10mA
Management	Double tariff T1-T2 or pulse from external contactors (selecting pulse measurement unit)

### Wiring diagrams

