



Energy meter with indirect connection via CT for single-phase and three phase lines with 3 or 4 wires with MID certification. The device measures and displays positive and negative active and reactive energies, among others, and is equipped with a double tariff input. In the supervision systems, through the model with RS485 Modbus RTU communication port, it is possible to transmit and display all the electrical parameters in addition to the energy consumption.

Functions

Active positive and negative energy at the terminals (MID)
Active and reactive energy on the primary side (CT/VT)
Active and reactive energy tariff 1 and tariff 2
Partial resettable active and reactive energy
Current / Voltage / Frequency
Power factor
Active, reactive and apparent power
Average active power and peak average power
Programmable hour meter (start counting from 0 ... 50% of the positive rated power)
Digital input (Double tariff / pulses from external meters)

Item		Conto D4 - Pt MID			
		Network	Output	Input	
CE4TBDMID	3Ph /3Ph + N	RS485 Modbus	RTU	Double tariff	
CE4TBMTMID	3Ph /3Ph + N		M-bus	Double tariff	

Output	
RS485 COMMUNICATION	
Protocol	Modbus RTU
Standard	RS485-3-wire
Baud rate	selectable 4800...19200 bit/s
M-BUS COMMUNICATION	
Protocol	M-BUS
Standard	EN13757
Baud rate	selectable 300...9600 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)

Note 1

*For switchboard thermal calculation

** kCT*kVT	MAXIMUM DISPLAY
1...9	999999,99kWh/kvarh
10...99	9999999,9kWh/kvarh
100...999	99999999kWh/kvarh
1000...9999	9999999,99MWh/Mvarh
10000...99999	99999999,9MWh/Mvarh
≥100000	999999999MWh/Mvarh

KCT programmable 1...9999

KVT programmable 1,00...300,00

KCTxkVT max 3.000.000

Wiring diagrams

