

KWH METER

3 phase

DIGITAL - RS485



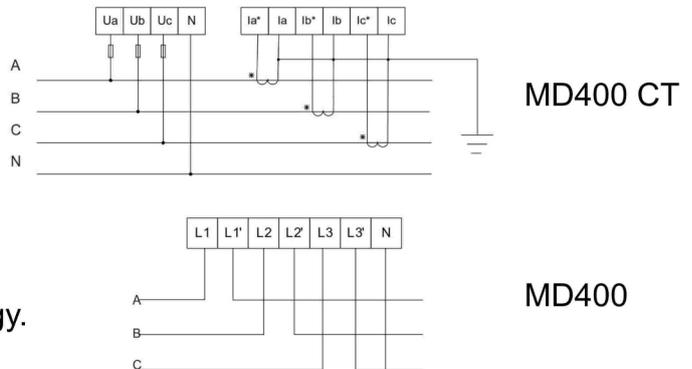
Overview

EDM MD400 three phase electric meter is designed for three phase energy measurement on low voltage system. The meter meet the related technical requirements of electronic meter in the IEC62053-21, IEC62053-22 standards. MD400 three phase, which is din rail electronic watt-hour meter “with a blue back-lighted LCD screen for perfect reading” are used to measure single-phase like residential, utility and Industrial application. The unit measures and displays various important electrical parameters, and provide a communication port for remote reading and monitoring. The MD400 is an advanced three phase energy monitoring solution with built in configuration push button and LCD data displaying. Its bi - directional measurement make the meter suitable for active and reactive energy and power monitoring applications. With RS485 Modbus port, the meter is easily to remote communicate with other AMR/SCADA systems.

Features

- Max.80A Direct Connect
- Full parameters measured (kWh, kVarh, kVar, kVA, P, F, PF, Hz, V, A, etc)
- Provide RS485 port - Modbus RTU
- Energy Resettable
- Blue Back light LCD Display
- Din Rail Mounting 35mm
- Better than Class 0.5s accuracy for active energy.

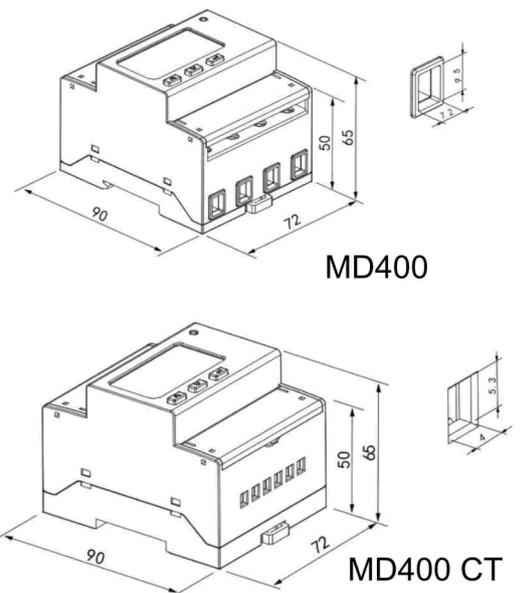
Wiring



Parameters

Voltage	Nominal Voltage	3×100V, 3×380V, 3×57.7/100V, 3×220/380V
	Consumption	<10VA(Single phase)
	Impedance	>2MΩ
	Accuracy	±0.2%
Current	Maximum current	80A , 5A/CT
	Consumption	<1VA
	Accuracy	±0.2%
Frequency	range	45 ~ 65Hz
	Accuracy	±0.2%
Energy accuracy	Active energy	Class 0.5s
	Reactive energy	Class 2
Clock	Accuracy	≤0.5s/d
Active Pulse	Width	80±20ms
	constant	1000imp/kWh, 10000imp/kWh
Communication	Interface	RS485
	Protocol	Modbus RTU

Dimensions



a Better Way