Reference: EM24DINAV53DISX

Selected parameters FUNCTION Energy analyzer MOUNTING DIN Rail POWER SUPPLY 230VAC OUTPUT DIGITAL INPUT Digital Input INPUT TYPE 3-phase AC CONNECTION CT/VT COMMUNICATION RS485 Others RANGE 277V to 830 VLL 1/5(10)A DISPLAY 7+1 DGT VARIABLES kWh, kvarh, VLL, VLN, Admd max, VA, VAdmd, VAdmd max, W, Wdmd, Wdmd max, var, PF, Hz, Phase-sequence DIGITAL INPUTS 3 PULSE none ALARMS none ANALOGUE none

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Energy Management Energy Analyzer Type EM24 DIN
• RS485 serial output (MODBUS-RTU), iFIX SCADA com- patibility
• M-bus communication port (option M1)
• Dupline communication capability (option DP)
• Application adaptable display and programming proce- dure (Easyprog function)
• Easy connections management
• Certified according to MID Directive (option PF):
see “how to order” below
• Other versions available (not certified, option X):
see “how to order” on the next page
• Class 1 (kWh) according to EN62053-21
• Class B (kWh) according to EN50470-3
• Class 2 (kvarh) according to EN62053-23
• Accuracy ±0.5 RDG (current/voltage)
• Energy analyzer
• Instantaneous variables readout: 4 DGT
• Energies/gas/water readout: 8 DGT
• System variables: VLL, VLN, Admd max, VA, VAdmd, VAd- md max, W, Wdmd, Wdmd max, var, PF, Hz, Phase- sequence.
• Single phase variables: VLL, VLN, A, VA, W, var, PF
• Energy measurements: total and partial kWh and kvarh or based on 4 different tariffs single phase measurements
• Gas, cold water, hot water, kWh remote heating mea- surements
• Hour counter (6+2 DGT)
• TRMS measurements of distorted sine waves (volt- ages/currents)
• Self power supply (AV2-AV9 inputs)
• Auxiliary power supply (AV5-AV6 inputs)

• 3 digital inputs for tariff selection, DMD synch or gas/
water (hot-cold) and remote heating metering (on request)
• 2 digital outputs for pulses or for alarms or as a mix of them
• Dimensions: 4-DIN modules
• Protection degree (front): IP50

Product Description

Three-phase energy analyzer with built-in configuration joystickandLCD datadis- playing particularly indicat- ed for active and reactive energy metering and for cost allocation. Housing for DIN-
rail mountingwithIP50 (front) protection degree. Direct connection up to 65A and by means of external current and potential trans- formers.
Moreover the meter can be
provided with digital outputs that can be either for pulse proportional to the active (imported and exported) and reactive energy beingmea- sured or foralarm outputs. In alternative the RS485
communication port and 3 digital inputs or Dupline port and 3 digitalinputsor the M-bus communication port are available as an option.