

NMI Pattern Approved EM24DIN Meter

Compact Three-Phase Energy Meter

ENERGY MANAGEMENT AND BUILDING AUTOMATION



Ideal for commercial applications where energy management, NABERS and /or Green Star are key requirements.

Ordering Information: EM24DINAV53DISX26

NMI EM24DIN Meter

The NHP EM24DIN range of smart energy meters now features a version with NMI pattern approval.

Compliance with NMI M6-1 as required for 'trade' or billing applications, the NMI pattern approved EM24DIN energy meter is ideal for commercial applications where energy management, NABERS, and/or Green Star are key requirements.

The versatile three-phase energy meter features on board MODBUS communications where energy data can be remotely available and accessible to energy management systems.

For added application flexibility, the EM24DIN energy meter can be used either as a DIN-rail mounting or a panel mounting energy meter with purpose fit accessory. Three digital inputs are also available for tariff selection or gas and water metering.



NMI EM24DIN Meter

Ordering Information

Description	Catalogue No.
Energy meter EM24DIN CT + 3 IN + RS485 NMI approved	EM24DINAV53DISX26

Features

- NMI pattern approval
- Compact size saving space in switchboards
- High accuracy: Class 1 (kWh) – IEC 62053-21
- Flexible installation with DIN mounting standard or panel mounting possible with use of 4DIN96ADAPTER
- Remote monitoring via onboard communication: RS485 serial (MODBUS)
- 3x digital inputs for tariff selection or gas and water metering
- 5A CT connection

Technical Data

Attributes	EM24DINAV53DISX26
Housing (H x W x D)	90 mm x 71 mm x 65 mm (4 DIN modules)
Display type	LCD (STN technology) Energy variable: 8 DGT Instantaneous variables 4 DGT
Accuracy	Class 1 (kWh) AS 62053-21 Class 2 (kvarh) AS 62053-23
Refresh rate	1.5 seconds
System type	Unbalanced: 2-3 phase; bal: 1-3-ph
Voltage inputs	230V L-N AC, 400 V L-L AC
Current inputs	Via external 5A current transformer*
Digital inputs	3 independent (h ₂ O/ gas counter or 4-time period selection)
Measurement variables	System: phase variables: V_{LL} , V_{LN} , A_{dmd} , max, var, VA, W_{dmd} , $W_{dmd\ max}$, VA_{dmd} , $VA_{dmd\ max}$ Hz, kWh, Kvarh, h; Phase variables: V_{LL} , V_{LN} , A_{dmd} , A, W, var, VA, PF, T_{rms} method
Outputs – Serial	RS485 Modbus RTU
Power supply	115/230 V AC
Protection degree	IP50 (front)

Notes: *Please contact NHP for range of current transformers available.

