SINGLE-PHASE KWH METER FOR DIN-RAIL MOUNTING - 2 MODULES

ORDER CODE: VMBKWH18

This single-phase DIN rail kWh meter is part of a new generation of single-phase electronic watt-hour meters, adopting micro-electronic techniques, LSI circuits and advanced digital and SMT techniques.
The meter is in conformity with the relevant technical requirements of Class 1, Class 2 and IEC62052-11, IEC62053-21. It accurately and directly measures 50/60 Hz active energy consumption from single-phase AC electricity grids. This module can be connected to the Velbus installation by using a VMB7IN, 7-channel input module.

Features:

- LCD display (with blue backlight)
- pulse output
- LED indicator

Specifications:

- voltage: 230 V
- current: 5 (80) A*
- accuracy class: 1.0
- frequency: 50 / 60 Hz
- display mode: LCD 5+2 digits = 99999.9 kWh
- power consumption: <= 0.4 W (8 VA)
- temperature range: -20 to 65 °C
- LED indicator: 1 flash per pulse
- with PNP transistor
- pulsed output: 1000 p/kWh
  - voltage: 12 to 27 V
  - current: 27 mA
  - pulse width: 90 ms
- connection cables: min. 7 mm², max. 38 mm²
- torque: max. 140 Nm
- dimensions (LxWxH): 100 x 35 x 60 mm
- width: 2 DIN modules

* The current specification is an important parameter for energy meters as it signifies a meter's ability to accurately measure the power consumed by a user's electrical load. There are generally two parts to this specification: the basic current (Ib) for direct-connected meters and the maximum current I max. Of these current ratings, you will typically see the current specification defined in terms of Ib with the I max value shown in parentheses. For example, some common values for the energy meter current specification include 5 (40) A, 5 (80) A or 10 (100) A.