

## VMBKWH18 datasheet

Single phase energy meter for DIN rail mounting, 5 (80) A, connectable to VMB7IN

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.



Protocol manuals for developers: available for download at <https://github.com/velbus>

### VELBUS • VMBKWH18

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### Features

- LCD display (with blue backlight), the upper figure is resettable, the lower figure non-resettable
- pulse output
- LED indicator
- to reset, keep your finger on the IR eye (marked 'reset') for 3 to 12 seconds

### Specifications

with PNP transistor

voltage	230 V
current	5 (80) A (Max. deviation: +/-1.5% between 5% of Ib and IMAX)
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
pulse output	1000 p/kWh voltage: 12 to 27 V current: 27 mA pulse width: 90 ms
connection cables	min. 7 mm <sup>2</sup> , max. 38 mm <sup>2</sup>
torque	max. 140 Nm
dimensions (LxWxH)	100 x 35 x 60 mm
width	2 DIN modules