

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.



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 ² , max. 38 mm ² |
| torque | max. 140 Nm |
| dimensions (LxWxH) | 100 x 35 x 60 mm |
| width | 2 DIN modules |

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

VELBUS • VMBKWH18

Legen Heirweg 33 • 9890 Gavere • Belgium
velbus.eu