

ODINsingle Electricity meter



ODINsingle - A new single phase electricity meter.

A compact single phase meter for direct metering up to 65 A. Designed for DIN-rail mounting, where space is limited. The meter is only 2 modules wide. With a backlit LCD display on the front the measured values are easily accessible for the reader. If communication is required the meter communicates through IR interface or pulse output.

ODINsingle is available in two order codes, OD1065 or OD1365. The OD1365 has two counters of which one is resettable.

To be used in applications as marinas, camping or other areas where there is a need for revenue metering and easy resettable counters.

For more details, please order the brochure 2CMC480007D0003 or contact your area manager.

Ordering details

OD1065 direct connected, single phase meter 65 A

Voltage (V)	Pulse output	Type	Order Code	Weight/kg
230	-	OD1065	2CMA131040R1000	0.135

OD1365 direct connected, single phase meter 65 A, two counters, resettable, pulse output

230	100 imp/kWh	OD1365	2CMA131041R1000	0.140
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Accessories

Serial Communication Adapter

Module	Protocol/Media	Type	Order code	Weight/kg
M-bus	M-Bus/M-bus - Twisted pair	CTM04000	2CMA137090R1000	0.073
RS232	M-Bus/RS232	CRM04000	2CMA137091R1000	0.072
Ethernet	M-Bus over TCP or UDP/Ethernet	CEM05000	2CMA137099R1000	0.090
LON PLC A-band	LONWorks/Power Line	CAL06000	2CMA137100R1000	0.188
LON PLC C-band	LONWorks/Power Line	CCL06000	2CMA137103R1000	0.188



ODINsingle

Technical Data

General Technical Data

Voltage (V)	
Nominal voltage AC	1 x 220 - 240
Voltage range	-20% to + 15% of nominal voltage

Current (A)	
I_{min}	0.25
I_{tr}	0.5
$I_{rel} (I_b)$	5
I_{max}	65
I_{st}	20 mA

General Data	
Frequency (Hz)	50/60
Frequency range	+/-5%
Accuracy Class	B (Cl. 1)
Power consumption at 230 VAC and 5 A	1.0 VA

Standards	
MID approval acc. to	EN 50470-1, EN 50470-3
International approval acc. to	IEC 62052-11, IEC 62053-21

Temperature range (C°)	
Operating	-25 to +55
Storage	-25 to +70

Enclosure material	
Upper	Polycarbonate
Lower	Polycarbonate/glass fibre

Environment classes	
Mechanical environment	M1
Electromagnetical environment	E2
Resistance to heat and fire	IEC 60695-2-1
Humidity	75% yearly average, 95% on 30 days/year

Connection area main terminal	
Current terminals flexible 1 x mm ²	1 - 16

Protection against penetration of dust and water	According to IEC 60529: IP 20 on terminal block without protective enclosure ¹⁾
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Pulse output (OD1365)	
Connection area, main terminals	
• Flexible 1 x mm ²	0 - 2.5
• Solid 1 x mm ²	0 - 2.5
External pulse voltage (V) DC	5 - 40 (Transistor output)
Max. current (mA)	100
Pulse length (ms)	100 (±2.5)
Pulse frequency (imp/kWh)	100
Standard	IEC 62053-31 (S0)

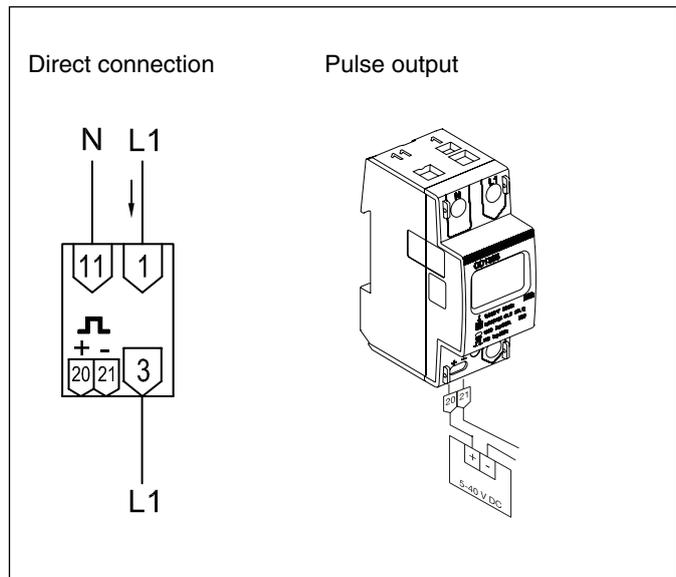
LED	
Pulse frequency (imp/kWh)	1000
Pulse length (ms)	40

Display	Backlit LCD with 6 digits, 6 mm high
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Dimensions

Width (mm)	35.8, 2 DIN modules
Height (mm)	85
Depth (mm)	63.4

Wiring diagrams



¹⁾ To comply with the protection requirements the meter must be mounted in a class IP 51 enclosure or better, according to IEC 60529.