1-phase energy meter, bi-directional, 100A, MID, 1 module, DIN TH-35mm

Marka: **Orno** | Symbol: **OR-WE-524** | Ean: **5908254827839**



PRODUCT DESCRIPTION

The device for making indications in metric units (kWh), is used for direct measurement of active power in a single-phase system. A special electronic circuit under the influence of the flowing current and applied voltage generates pulses in an amount proportional to the consumed electricity. Energy consumption in a phase is indicated by a flashing LED. The number of pulses is converted into consumed energy, and its value is indicated by the LCD display (5+2). Power supply: 230V~, 50Hz, base current: 5A, max. current: 100A, min. current: 0.25A, pulse frequency: 1000 imp/kWh, accuracy class B, housing with a width of one module,

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mounting on DIN rail TH-35 mm. Energy measurement is performed in accordance with EN50470-1:2006, EN50470-3:2006 MID Directive 2014/32/EU. The meter is bi-directional that is, it also counts the energy produced by the consumer.

TECHNICAL DATA

General information:

Type of meter:	Elektroniczny
Nominal current (In) [A]:	10
Max. current (Imax) [A]:	100
Min. Current [A]:	0.25
Start current (Ist) [A]:	0.004
Nominal voltage (Un) N-L [V]:	230
Frequency [Hz]:	50
Pole type:	Jednofazowy
Model:	Pomiar bezpośredni
Measurement accuracy class:	1
Energy type:	Moc czynna i bierna
Active power:	Tak
Reactive power:	Tak
Forwarded power:	Tak
Reversed power:	Tak
Suitable for:	Pobór/zwrot
Resetting sub-meter possibility:	Tak
Memory support:	EEPROM
Calibrated:	Tak
Approval:	MID (Measuring Instruments Directive)
Pulse output:	Optyczny
Pulse type:	S0
Pulse rate [Imp/kWh]:	1000

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Pulse output voltage [V DC]:	12-27
Pulse output current [mA]:	≤27
Multi-tariff:	Nie
Type of indication:	Cyfrowy
Backlight:	Tak
IR port:	Nie
Mounting method:	Adapter szyny DIN
Width in number of modular spacings:	1
Max. Cross-section of cables:	25
Width [mm]:	18
Depth [mm]:	72
Height [mm]:	90
Temperature Range:	-25 - +70
Max. Humidity:	≤95%
Degree of protection (IP):	IP51
Compliance with:	MID 2014/32/EU
Compliance with standards:	EN 50470-1:2006 EN 50470-3:2006
Display [kWh]:	LCD 5+2 = 12345,13
Display - number of digits:	5+2
Auxiliary wire terminals [Nm]:	2.5
Auxiliary wire terminals [Nm]:	0.4

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