3-phase energy meter, 100A, MID, 4 modules, installation rail: DIN TH-35mm

Marka: **Orno** | Symbol: **OR-WE-528** | Ean: **5908254846540**



PRODUCT DESCRIPTION

The three-phase energy meter with a maximum current of 100A is a modern measuring device designed for precise monitoring of electricity consumption in three-phase installations. The meter may be used for commercial, industrial and domestic applications where accurate and reliable readings are required.

The unit operates with a rated voltage of 3x230/400V~ and a frequency of 50/60Hz, enabling direct energy measurement without the need to use current transformers. The device records active, reactive, consumed

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and released energy. This allows comprehensive monitoring of energy flows in both directions. A minimum measurement current of 0.25A ensures high sensitivity of the device even at low load.

The digital LCD display (6+2 digits) with backlighting allows comfortable readings even in low light. The unit also has a sub-meter reset function, particularly useful in situations requiring periodic resetting of readings.

Designed for mounting on a TH-35mm DIN rail, it ensures easy installation in standard switchgears. The housing measures 72x72x90 mm and fits into a standard 3 DIN modules. The maximum cross-section of the connection wires is 35 mm². The IP51 rate allows installation in any environment - dry and exposed to water.

The meter has been designed in accordance with standards: IEC 62052-11:2020, IEC 62053-21:2020, IEC 62053-23:2020, EN 50470-1:2006 and EN 50470-3:2007. Compliance with MID 2014/32/EU allows the meter to be used in commercial spaces where certified equipment is required.

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
Nominal voltage (Un) L-L [V]:	400
Frequency [Hz]:	50
Pulse frequency [imp/kWh]:	1000
Accuracy class [W]:	<12VA <1W
Pole type:	Trójfazowy
Model:	Pomiar bezpośredni
Measurement accuracy class:	1
Energy type:	Moc czynna i bierna
Active power:	Tak
Reactive power:	Tak

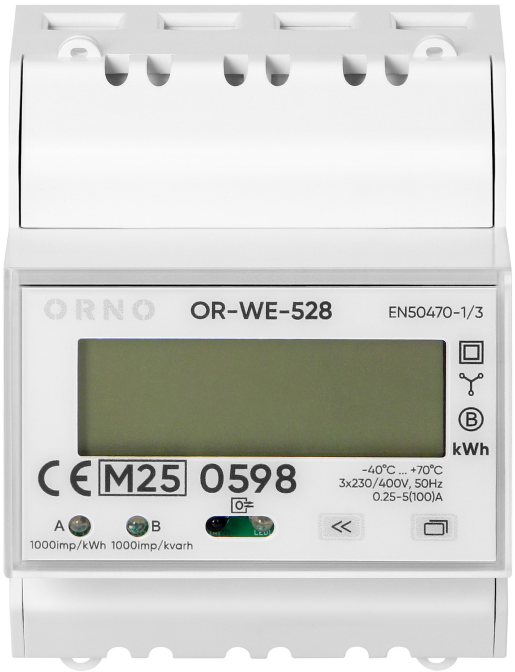
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Forwarded power:	Tak
Reversed power:	Tak
Suitable for:	Pobór/zwrot
Resetting sub-meter possibility:	Tak
Memory support:	EEPROM
Calibrated:	Tak
Approval:	MID (Measuring Instruments Directive)
Pulse output:	Optyczny
Pulse type:	S0
Pulse rate [Imp/kWh]:	1000
Pulse output voltage [V DC]:	12-27
Pulse output current [mA]:	≤27
Multi-tariff:	Nie
Type of indication:	Cyfrowy
Backlight:	Tak
IR port:	Tak
Mounting method:	Adapter szyny DIN
Width in number of modular spacings:	4,3
Max. Cross-section of cables [mm]:	35
Width [mm]:	72
Depth [mm]:	72
Height [mm]:	90
Temperature Range [°C]:	-40 - +70
Max. Humidity:	≤95%
Type of protocol:	IR
Type of interface:	EN 62056-21
Degree of protection (IP):	IP51
Compliance with:	MID 2014/32/EU
Compliance with standards:	IEC 62052-11:2020 IEC 62053-21:2020 IEC 62053-23:2020 EN 50470-1:2006 EN 50470-3:2006

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Display [kWh]:	LCD 6+2 = 123456,12
Display - number of digits:	6+2
Moment dokręcenia złącza siłowego [Nm]:	2.5
Moment dokręcenia złącza komunikacyjnego [Nm]:	0.4



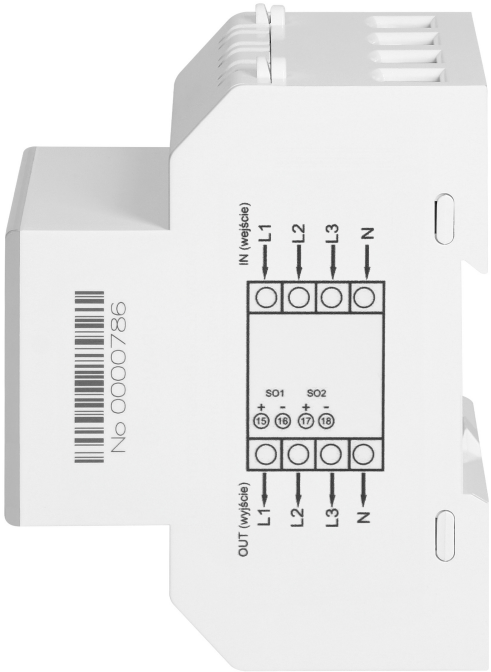


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