

## Features

- 45A direct connection
- Single module DIN rail mounted.
- Import active energy measurement
- MID B+D Certified
- LED pulse indication

## RS PRO DIRECT CONNECT SINGLE PHASE ENERGY METER

RS Stock No.: 264-1026



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

## Product Description

The 264-1026 is a MID Certified energy meter, designed for the accurate measurement of energy consumption in residential, commercial, industrial and utility applications. The direct connection of the unit to a 45A ac circuit means the meter does not require the additional current transformers.

The meter is housed in single module width case suitable for DIN rail mounting, with a high-definition backlit LCD display allowing easy reading of the recorded values.

Its MID status means the 264-1026 has been tested for build quality and accuracy and is certified for billing purposes.

## General Specifications

Display Type	LCD, high definition	
Digit Height	5mm (displayed value)	
Page Scrolling	Auto scroll	
Energy maximum display	99999.99 or 999999.9 ??	
Resolution	0.01K or 0.1K depending on energy max setting	
	Active energy	Class 1, Class B (IEC/EN62053-21, IEC/EN50470)
	Voltage	0.5% of full scale
	Current	0.5% of full scale
	Active power	1%
	Powers factor	1% of unity
Frequency	0.1% of full scale (N-N>20V)	

## Mechanical Specifications

Housing type	1 module DIN 43880
Current input terminal type	Screw type - rising clamp
Max. wire size	10.5mm <sup>2</sup>
Output terminal type	Screw type - rising clamp
Max. wire size	2.5mm <sup>2</sup>

## Electrical Specifications

Connection	Single phase only
Input Voltage	230V AC
Operating voltage range	195.5...253V AC
Voltage circuit power consumption	2w/10VA
Current rating (I <sub>min</sub> - I <sub>ref</sub> )	0.25...5A
Max current	45A
Starting Current	20mA
Short time overcurrent	30 I <sub>max</sub> / 10ms (IEC/EN62053-21 and -23)
Impulse voltage withstand	6kV 1.2μS
AC voltage withstand	4kV for 1 minute
Frequency	50Hz ±10%
Current distortion factor	According to IEC/EN50470

## Protection Category

Insulation category	III
Pollution degree	2
Insulation voltage rating	300V

## Outputs

Pulse output	Fixed at 1000imp/kWh.
Pulse output voltage range	5...27Vdc
Pulse duration	80mS
Pulse output type	Passive transistor, require external DC supply
Pulse output Max. current	27mA

## Environmental Conditions

Specified operating temperature	23°C ±1°C
Storage temperature	-30°C...+70°C
Relative humidity	0...95%, non-condensing

Protection degree (IEC/EN60529)	IP20 (terminals), IP51 (front of housing)
Weight	120g

## Classification

Mechanical environment	M1
Electromagnetic environment	E2

## Approvals

Declarations	IEC/EN50470-1:2006 – Electricity metering equipment(a.c.) Part 1: General requirements, tests and test conditions Metering equipment (class indexes A, B and C) IEC/EN50470-3:2006 – Electricity metering equipment (a.c.) Part 3 particular requirements Static meters for active energy (class indexes A, B and C) EC directive 2004/22/EC
Electromagnetic compatibility	Emission and immunity tests according to IEC/EN50470 Immunity test according to IEC/EN50470

### Dimensions (mm)

