

# Genion One

## General specifications

<b>Power supply</b>	85 ... 264 Vca / 120 ... 300 Vdc
<b>Frequency</b>	47 / 63 Hz
<b>Consumption (AC / DC)</b>	8,8 ... 10,5 VA / 6,4 ... 6,5 W
<b>Temperature range</b>	-20 ... +50 °C
<b>Humidity range</b>	5 ... 95 %
<b>Maximum operating altitude</b>	2000 m
<b>Enclosure material</b>	UL94 - V0 self-extinguishing polycarbonate
<b>Rating</b>	IP20
<b>Dimensions (W x H x L)</b>	105 x 88,5 x 48 mm (6 DIN rail modules)
<b>Weight</b>	150 g
<b>Mounting</b>	DIN rail 46277 (EN 50022)
<b>Plugs</b>	Plug-in terminals. Max. cable cross-section 1,5 mm <sup>2</sup>
<b>Shock protection</b>	Class II double insulation
<b>Insulation</b>	3 kVac

<b>Installation category</b>	CAT III 300 V
<b>Wi-Fi</b>	802.11 b/g/n (2.4 GHz)
<b>Interface series - Type</b>	RS-485 (half-duplex). Galvanic isolation
<b>Interface series - Speed</b>	9600 ... 115200 bps
<b>Network interface - Type</b>	Ethernet
<b>Network interface - Speed</b>	10/100 Mbps
<b>Nominal voltage (Un)</b>	285 Vac (f - N) / 480 Vac (f - f)
<b>Voltage measurement range</b>	5 ... 120% Un
<b>Nominal current (In)</b>	In / 1 A
<b>Current measurement range</b>	2 ... 120% In
<b>Active power measurement</b>	Class 1
<b>Reactive power measurement</b>	Class 2
<b>Standards</b>	UNE EN 61010-1, UNE-EN 61000-6-2, UNE-EN 61000-6-4

## Electrical characteristics

<b>Frequency</b>	50 / 60 Hz
<b>Secondary circuit current</b>	250 mA
<b>Metering</b>	3 x Single-phase
<b>Precision class</b>	3

## Enclosure characteristics

<b>Enclosure rating</b>	V0
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## Basic installation diagram

