



QNA-D510

QNA-500, Equips de Registre de qualitat de subministrament elèctric

Code: Q23220.

- > Protocol: Modbus/TCP | ZMODEM | FTP | webserver (HTTP)
- > Memòria: 4 GB
- > Memòria : Si
- > Esdeveniments / Forma d'ona: Si
- > Servidor web: Si
- > Precisió energia: 0,2S
- > Comunicacions: RS-232 | RS-485 | Ethernet
- > Harmònics: 50
- > Classe: S

Especificacions

Auxiliary battery power supply

Autonomy	15 minuts de funcionament continu (QNA500)
Battery type	Ni-MH extraïble (base module)

AC power supply

Consumption	5 VA
Frequency	50...60 HZ (Alim.Aux.:mòdul base)
Nominal voltage	9...300 Vc.a.(Alim.Aux.:mòdul base)

DC power supply

Nominal voltage	100...300 Vcc (Alim.Aux. mòdul base)
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Mechanical characteristics

Size (mm) width x height x depth	140 x 117.85 x 173.3 (mm)
Envelope	Self-extinguishing V0 plastic
Differential current measurement	≤ 2,5 mm2
Fastening	DIN rail 46227 (EN 50022) or Bottom Panel
Weight (kg)	0,6

Environmental characteristics

Protection class	IP 41
Relative humidity (without condensation)	5...95%
Operating temperature	-10...+60 °C

Standards

Certifications	CE, UL, VDE
Electrical safety, Maximum height (m)	2000
Electrical safety, Installation category	CAT IV (600 V) o CAT III (1000 V) IEC 61010
Standards	IEC 664, VDE 0110, UL 94, IEC 801, IEC 348, IEC 571-1, EN 61000-6-3, EN 61000-6-1, EN 61010-1, EN 61000-4-11, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 55011, IEC 61000-4-30 Class A or Class S



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Analitzador de qualitat de subministrament modular

Code: Q23220.

Current measurement circuit

Sampling frequency	512 samples / cycle
Phase current measuring range	1...120% of In (In: 5A)
Permanent overload	120% In (In: 5A, Imax: 6A)
Maximum pulse current	100 A

Voltage measurement circuit

Sampling frequency	512 samples / cycle
Frequency measuring range	42.5...69 Hz
Nominal voltage	0...500V Ph-N / 0...866V Ph-Ph
Insulation voltage	1.2/50μs (8/20μs) 6 kV
Maximum permanent measurement voltage	1500 V (Ph-Ph)

Electrical characteristics

Insulation voltage, circuit	1.2/50μs (8/20μs) 6kV
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Comunicació xarxa

Protocol	ModBus/TCP, Cirbus, TCP/IP
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Comunicacions xarxa

Tecnologia / Interfície	Ethernet
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Electrical safety

Insulation	Double-insulated electric shock protection class II (IEC 61010-1)
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Leakage current measurement (ID)

Sampling frequency	64 samples / cycle
Measurement range	0-3 A
Maximum current	3 A

Measurement accuracy

Current unbalance (Kd)	±5 % (IEC61000-4-30 class S)
Voltage unbalance (Kd)	±5 % (IEC61000-4-30 class S)
Active energy measurement (kWh)	0,2 % (in accordance with IEC 62053-22)
Active power measurement (kW)	0,2 % (in accordance with IEC 62053-22)
Phase voltage measurement	0,2 % (IEC-61000-4-30 class S)
Pst Flicker	According to IEC 61000-4-15
Current harmonics (THD)	According to IEC 61000-4-7
Voltage harmonics (THD)	According to IEC 61000-4-7

Processor



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Analogue to digital converter (ADC)	24 bits
Sampling frequency	512 mostres/cicle per canal

Comunicació sèrie

Protocol	Modbus RTU
Tecnologia / Tipus	RS-232 RS-485

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Equips de registre de qualitat de subministrament elèctric (segons UNE-EN-50160 i IEC 61000-4-30)

CODI	TIPUS
Additional modules	
Q23220.	QNA-D510
Q23230.	QNA-D510-4G

Communications through the BASE module (mandatory). Check the maximum number of modules that can be connected for each BASE system. The QNA500 include the Power Vision+ software Each unit is made up of a BASE module (power supply) + measuring module + inputs/outputs module (according to each type). Compatible with PowerStudio (version 4.02 and higher).



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Dimensions

