

Uninterruptible power supply - QUINT4-UPS/1AC/1AC/1KVA - 2320283

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Uninterruptible power supply with IQ technology for DIN rail mounting. Input: 120/230 V AC, output: 120/230 V AC/1 kVA. Provides information regarding the state of charge, remaining runtime, and service life of the rechargeable battery module at any time, thereby increasing system availability.

Product Description

Supply AC loads reliably with the uninterruptible power supply from the QUINT range for DIN rails. Due to the online topology, the AC UPS delivers a pure sine curve in mains and battery operation. Combine the online UPS with various UPS-BAT energy storage devices. The USB interface makes it convenient to shut down your PC.

Your advantages


- Smooth transition due to online topology
- Pure sine curve in mains and battery operation
- USB interface for connecting to industrial PCs, for example
- Startup from energy storage possible, even without mains input
- Can be switched in parallel for redundancy and increased performance



COMPLETE line IQ TechnologyTM
Designed by PHOENIX CONTACT



Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 244563
GTIN	4055626244563
Weight per Piece (excluding packing)	5,530.000 g
Custom tariff number	85371091
Country of origin	Germany
Sales Key	CMUI15

Technical data

Dimensions

Width	290 mm
Height	130 mm
Depth	125 mm
Installation distance right/left	5 mm / 5 mm

Uninterruptible power supply - QUINT4-UPS/1AC/1AC/1KVA - 2320283

Technical data

Dimensions

Installation distance top/bottom	50 mm / 50 mm
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Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 60 °C (> 50 °C: 2,5 % / K)
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Max. permissible relative humidity (operation)	≤ 95 %
Climatic class	3K3 (EN 60721)
Installation height	≤ 3000 m (> 2000 m: 0,6 % / 100 m)

Input data

Nominal input voltage	100 V AC -10 % / +20 %
	110 V AC -10 % / +20 %
	120 V AC -10 % / +20 %
	130 V AC -10 % / +20 %
	200 V AC -20 % / +20 %
	210 V AC -20 % / +20 %
	220 V AC -20 % / +20 %
	230 V AC -20 % / +15 %
	240 V AC -20 % / +10 %
Input voltage range	90 V AC ... 264 V AC
AC frequency range	45 Hz ... 65 Hz
Buffer period	1 h (38 AH)
Permissible backup fuse	B16 230 V AC
Power factor (cos phi)	0.9

Output data

Nominal output voltage	100 V AC
	110 V AC
	120 V AC
	130 V AC
	200 V AC
	210 V AC
	220 V AC
	230 V AC
	240 V AC
Nominal output current (I _N)	7.8 A (100 V AC)
	8.1 A (110 V AC)
	8.3 A (120 V AC)
	7.7 A (130 V AC)
	5 A (200 V AC)
	4.8 A (210 V AC)

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Output data

	4.5 A (220 V AC)
	4.3 A (230 V AC)
	4.2 A (240 V AC)
POWER BOOST (I_{Boost})	13 A (120 V AC)
	7 A (230 V AC)
Connection in parallel	yes, 2
Connection in series	No
Maximum power dissipation in no-load condition	typ. 17 W (120 V AC)
	typ. 25 W (230 V AC)

General

Net weight	5 kg
Efficiency	> 92 % (120 V AC)
	> 94 % (230 V AC)
MTBF (IEC 61709, SN 29500)	217546 h (230 V AC, at 40 °C)
Degree of protection	IP20
Protection class	I

Connection data, input

Connection method	Screw connection
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	6 mm ²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	4 mm ²
Conductor cross section AWG min.	30
Conductor cross section AWG max.	10
Stripping length	8 mm

Connection data, output

Connection method	Screw connection
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	6 mm ²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	4 mm ²
Conductor cross section AWG min.	30
Conductor cross section AWG max.	10
Stripping length	8 mm

Connection data for signaling

Connection method	Screw connection
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section flexible min.	0.2 mm ²

Uninterruptible power supply - QUINT4-UPS/1AC/1AC/1KVA - 2320283

Technical data

Connection data for signaling

Conductor cross section flexible max.	2.5 mm ²
Conductor cross section AWG min.	30
Conductor cross section AWG max.	12
Stripping length	8 mm

Standards

Standard designation	Uninterruptible power supply systems
Standards/regulations	EN 62040-1

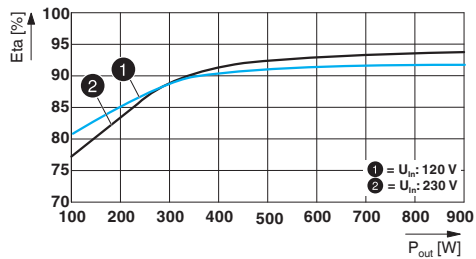
EMC data

Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU
Low Voltage Directive	Conformance with Low Voltage Directive 2014/35/EC
Electrostatic discharge	EN 61000-4-2
Contact discharge	± 6 kV
Discharge in air	± 8 kV
Electromagnetic HF field	EN 61000-4-3
Frequency range	80 MHz ... 6 GHz
Test field strength	10 V/m
Comments	Criterion A
Fast transients (burst)	EN 61000-4-4
Input	± 2 kV
	± 2 kV
Output	± 2 kV
Signal	± 2 kV
	± 2 kV (USB)
Comments	Criterion A (B for USB)
Surge voltage load (surge)	EN 61000-4-5
Signal	1 kV (asymmetrical)
Comments	Criterion A
Conducted interference	EN 61000-4-6
Frequency range	0.15 MHz ... 80 MHz
Voltage	10 V
Comments	Criterion A
Power frequency magnetic field	EN 61000-4-8
Frequency	50 Hz
	60 Hz
Test field strength	100 A/m
Comments	Criterion A
Criterion A	Normal operating behavior within the specified limits.
Criterion B	Temporary impairment to operational behavior that is corrected by the device itself.

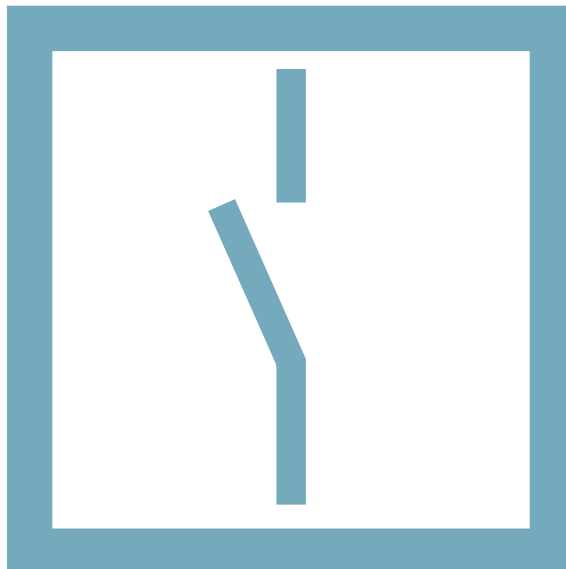
Uninterruptible power supply - QUINT4-UPS/1AC/1AC/1KVA - 2320283

Drawings

Diagram



Pictogram

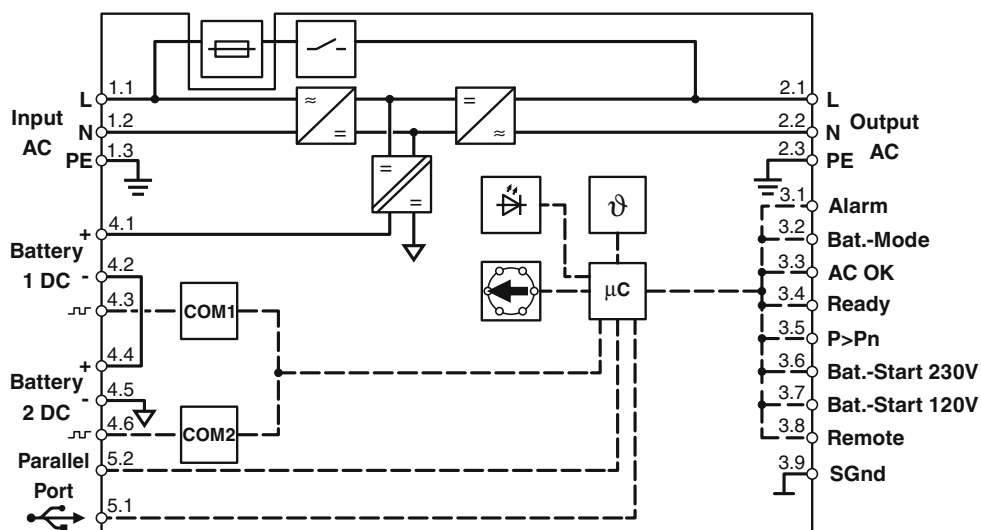


Pictogram



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Block diagram



Classifications

eCl@ss

eCl@ss 10.0.1	27040705
eCl@ss 11.0	27040705
eCl@ss 5.1	27040603
eCl@ss 6.0	27040600
eCl@ss 7.0	27040602
eCl@ss 9.0	27040705

ETIM

ETIM 6.0	EC000382
ETIM 7.0	EC000382

UNSPSC

UNSPSC 18.0	39121011
UNSPSC 19.0	39121011
UNSPSC 20.0	39121011
UNSPSC 21.0	39121011

Approvals

Approvals

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UL Recognized / cUL Recognized / IECEE CB Scheme / EAC / DNV GL / EAC / cULus Recognized








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Approvals

Ex Approvals

UL Recognized / cUL Recognized / cULus Recognized

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 342453
cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 342453
IECEE CB Scheme		http://www.iecee.org/	DK-70737-UL
EAC			RU*DE*08.B.01873/19
DNV GL		https://approvalfinder.dnvgl.com/	TAA00002JM
EAC			RU-DE.B.00184/20
cULus Recognized			



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