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# Uninterruptible power supply - QUINT-UPS/1AC/1AC/500VA - 2320270

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Uninterruptible power supply with IQ technology 1AC/1AC/500 VA. For 120 V AC/230 V AC applications. Provides information regarding the charging state, remaining runtime, and service life of your rechargeable battery module at all times and thereby increases system availability.

## Why buy this product

- ✔ Easy handling thanks to automatic battery detection, tool-free battery replacement during operation, and communication via the IFS interface
- ✔ Reliable starting of difficult loads with the static POWER BOOST power reserve with up to 1.5 times the nominal current permanently
- ✔ Device suitable for universal use thanks to comprehensive license package and extensive parameterization and diagnostics options

## Key commercial data

Packing unit	0
Minimum order quantity	1
Catalog page	Page 616 (IF-2011)
GTIN	 4 046356 560078
Custom tariff number	85044082
Country of origin	GERMANY

## Technical data

### Input data

Nominal input voltage	230 V AC
Nominal input voltage	120 V AC
AC input voltage range	180 V AC ... 264 V AC
AC input voltage range	80 V AC ... 150 V AC
AC input voltage range	80 V AC ... 264 V AC
AC frequency range	45 Hz ... 65 Hz
Buffer period	1 h (38 AH)
Permissible backup fuse	B16
Additional text	230 V AC
Power factor (cos phi)	0.8

# Uninterruptible power supply - QUINT-UPS/1AC/1AC/500VA - 2320270

## Technical data

### Output data

Nominal output voltage	120 V AC
Nominal output voltage	230 V AC
Output voltage range	96 V AC ... 144 V AC
Output current	5.2 A (120 V AC, -25°C ... +40°C)
Output current	4.3 A (120 V AC, -25°C ... +50°C)
Output current	2.7 A (230 V AC, -25°C ... +40°C)
Output current	2.2 A (230 V AC, -25°C ... +40°C)
Derating	50 °C ... 70 °C (2.5%/K)
Connection in parallel	No
Connection in series	No

### General data

Width	125 mm
Height	130 mm
Depth	125 mm
Net weight	2.2 kg
Efficiency	> 98 %
Efficiency	> 98 %
Efficiency	> 86 %
Degree of protection	IP20
Protection class	I
Ambient temperature (operation)	-40 °C ... 70 °C (> 50°C derating)
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Max. permissible relative humidity (operation)	≤ 95 % (25°C, no condensation)
Mounting position	horizontal DIN rail NS 35, EN 60715
Assembly instructions	Can be aligned: 5 mm horizontally, 15 mm next to active components, 5 cm vertically
Electromagnetic compatibility	Conformance with EMC Directive 2004/108/EC
Standard – Limitation of mains harmonic currents	EN 61000-3-2 (Klasse A)
UL approvals	UL/C-UL Recognized UL 1778

### Connection data, input

Connection method	Screw connection
Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	2.5 mm <sup>2</sup>
Conductor cross section stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	2.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	20
Conductor cross section AWG/kcmil max	10
Stripping length	7 mm
Screw thread	M4

# Uninterruptible power supply - QUINT-UPS/1AC/1AC/500VA - 2320270

## Technical data

### Connection data, output

Connection method	Screw connection
Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	2.5 mm <sup>2</sup>
Conductor cross section stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	2.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	20
Conductor cross section AWG/kcmil max	10
Stripping length	7 mm

### Signaling

Signalization designation	AC mode of operation
Output name	Statusanzeige 120 V AC
Status display	LED
Note on status display	Static to
Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	2.5 mm <sup>2</sup>
Conductor cross section stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	2.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	20
Conductor cross section AWG/kcmil max	12
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm
Screw thread	M4
Signalization designation	AC mode of operation
Output name	Statusanzeige 230 V AC
Status display	LED
Note on status display	Static to
Signalization designation	Alarm
Output name	Transistor output, active
Maximum switching voltage	≤ 30 V DC
Output voltage	24 V (SELV)
Continuous load current	≤ 30 mA
Status display	LED
Note on status display	Static to
Signalization designation	Battery mode
Output name	Transistor output, active
Type of signaling	Yellow LED
Maximum switching voltage	≤ 30 V DC
Output voltage	24 V (SELV)
Continuous load current	≤ 30 mA
Status display	LED

# Uninterruptible power supply - QUINT-UPS/1AC/1AC/500VA - 2320270

## Technical data

### Signaling

Note on status display	Static to
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## Classifications

### eclass

eCl@ss 4.1	27040603
eCl@ss 5.0	27040603
eCl@ss 5.1	27040603
eCl@ss 6.0	27040603

### etim

ETIM 4.0	EC000382
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### unspsc

UNSPSC 6.01	30211510
UNSPSC 7.0901	39121011
UNSPSC 11	39121011
UNSPSC 12.01	39121011
UNSPSC 13.2	39121011

## Approvals

### Certificates

#### Certification

UL Recognized

#### Certification EX

#### Certification submitted

### Approval details

UL Recognized
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## Accessories

### Accessories

### Software

## Uninterruptible power supply - QUINT-UPS/1AC/1AC/500VA - 2320270

### Accessories

Configuration software - UPS-CONF - 2320403



Configuration software for QUINT UPS can be downloaded free of charge.

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Battery module - UPS-BAT/VRLA/24DC/ 3.4AH - 2320306



Rechargeable battery module, lead AGM, VRLA technology, 24 V DC, 3.4 Ah, tool-free battery replacement, automatic detection and communication with QUINT UPS-IQ

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Battery module - UPS-BAT/VRLA/24DC/ 7.2AH - 2320319



Rechargeable battery module, lead AGM, VRLA technology, 24 V DC, 7.2 Ah, tool-free battery replacement, automatic detection and communication with QUINT UPS-IQ

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Battery module - UPS-BAT/VRLA/24DC/12AH - 2320322



Rechargeable battery module, lead AGM, VRLA technology, 24 V DC, 12 Ah, tool-free battery replacement, automatic detection and communication with QUINT UPS-IQ

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Battery module - UPS-BAT/VRLA/24DC/38AH - 2320335



Rechargeable battery module, lead AGM, VRLA technology, 24 V DC, 38 Ah, automatic detection and communication with the QUINT UPS-IQ

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# Uninterruptible power supply - QUINT-UPS/1AC/1AC/500VA - 2320270

## Accessories

Battery module - UPS-BAT/LI-ION/24DC/120WH - 2320351



Rechargeable battery module, LI-ION technology, 24 V DC, 120 Wh, for ambient temperatures of -20°C ... +60°C, automatic detection and communication with QUINT UPS-IQ

USB cable - CABLE-USB/MINI-USB-3,0M - 2986135



USB connecting cable: USB plug type A to USB plug type Mini-B; length: 3 m

Data cable - IFS-MINI-DIN-DATACABLE - 2320487



Data cable for communication between higher level controllers and QUINT UPS-IQ uninterruptible power supply units.

Data cable - IFS-RS232-DATACABLE - 2320490



Data cable for communication between higher level controllers and QUINT UPS-IQ uninterruptible power supply units.

Data cable - IFS-USB-DATACABLE - 2320500



Used for communication between the UPS CONF configuration software and the QUINT UPS IQ and TRIO UPS uninterruptible power supply units.

# Uninterruptible power supply - QUINT-UPS/1AC/1AC/500VA - 2320270

## Accessories

Memory block - IFS-CONFSTICK - 2986122



Multi-functional memory block for the INTERFACE system for easy storage and backup of the configuration.

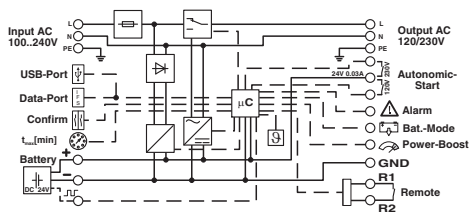
Assembly adapters - UWA 182/52 - 2938235



Universal wall adapter

## Drawings

Block diagram



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