

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

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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 ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section AWG/kcmil min.	20
Conductor cross section AWG/kcmil max	10
Stripping length	7 mm
Screw thread	M4

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Technical data

Connection data, output

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 stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
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 ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
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

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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

Accessories

Accessories

Software

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Accessories

Configuration software - UPS-CONF - 2320403



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

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

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

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

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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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.

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Accessories

Memory block - IFS-CONFSTICK - 2986122



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

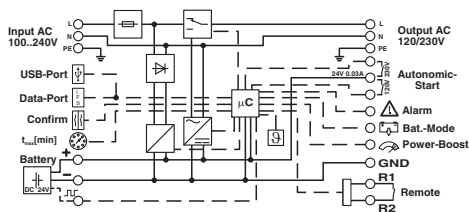
Assembly adapters - UWA 182/52 - 2938235



Universal wall adapter

Drawings

Block diagram



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