

Uninterruptible power supply - QUINT-UPS/ 24DC/ 24DC/ 5/1.3AH - 2320254

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Product Features

- ✔ 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
- ✔ Fast tripping of standard circuit breakers with SFB (selective fuse breaking) technology
- ✔ Device suitable for universal use thanks to comprehensive license package and extensive parameterization and diagnostics options



Key commercial data

package_quantity	1
GTIN	4046356554145

Technical data

Dimensions

Width	88 mm
Height	138 mm
Depth	125 mm

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	0 °C ... 40 °C
Ambient temperature (storage/transport)	-15 °C ... 40 °C
Max. permissible relative humidity (operation)	≤ 95 % (25°C, no condensation)
Noise immunity	EN 61000-6-2:2005

Input data

Nominal input voltage	24 V DC
Input voltage range DC	18 V DC ... 30 V DC
Current consumption	9.3 A (24 V DC)
Current consumption	9.7 mA
Current consumption	1.7 A

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Technical data

Input data

Current consumption	7 A
Buffer period	50 min (1 A)
Buffer period	5 min (5 A)

Output data

Nominal output voltage	24 V DC
Output voltage range	18 V DC ... 30 V DC
Output current	5 A (-25 °C ... 60 °C)
Derating	60 °C ... 70 °C (2.5%/K)
Connection in series	No

General

IQ technology	Yes
Disposal	Used batteries must not be thrown away with household waste, they should instead be disposed of in accordance with applicable national regulations. They can also be returned to Phoenix Contact or the manufacturer.
Net weight	2.2 kg
Memory medium	Lead rechargeable battery module 1.3 Ah
Efficiency	> 97.1 % (with charged power storage device)
Efficiency	97.31 %
Protection class	III
MTBF (IEC 61709, SN 29500)	> 806493 h (According to EN 29500)
Mounting position	horizontal DIN rail NS 35, EN 60715
Assembly instructions	Can be aligned: horizontal 5 mm, vertical 50 mm
Electromagnetic compatibility	Conformance with EMC Directive 2004/108/EC
Standard - Electrical safety	EN 60950-1/VDE 0805 (SELV)
Standard - Electrical safety	EN 61558-2-17
Standard – Electronic equipment for use in electrical power installations and their assembly into electrical power installations	EN 50178/VDE 0160 (PELV)
UL approvals	UL/C-UL Recognized UL 60950
UL approvals	UL Listed UL 508

Connection data, input

Connection method	Pluggable 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	12
Stripping length	7 mm

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Technical data

Connection data, input

Screw thread	M4
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Connection data, output

Connection method	Pluggable 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	12
Stripping length	7 mm

Signaling

Signalization designation	Power In OK
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.	24
Conductor cross section AWG/kcmil max	12
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm
Screw thread	M4
Signalization designation	Alarm
Output name	Switching output
Output description	Relay
Output voltage	≤ 30 V AC/DC
Continuous load current	≤ 100 mA
Status display	LED
Note on status display	Static to
Signalization designation	Battery charge
Output name	Switching output
Output description	Relay
Output voltage	≤ 30 V AC/DC
Continuous load current	≤ 100 mA
Status display	LED bar graph
Note on status display	dynamic
Signalization designation	Battery mode
Output name	Switching output

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Technical data

Signaling

Output description	Relay
Type of signaling	Battery mode
Output voltage	≤ 30 V AC/DC
Continuous load current	≤ 100 mA
Status display	LED
Note on status display	Static to

classifications

eCl@ss

eCl@ss 4.0	27040702
eCl@ss 4.1	27040702
eCl@ss 5.0	27242213
eCl@ss 5.1	27040603
eCl@ss 6.0	27040603
eCl@ss 7.0	27040603
eCl@ss 8.0	27040603

ETIM

ETIM 3.0	EC001039
ETIM 4.0	EC000382
ETIM 5.0	EC000382

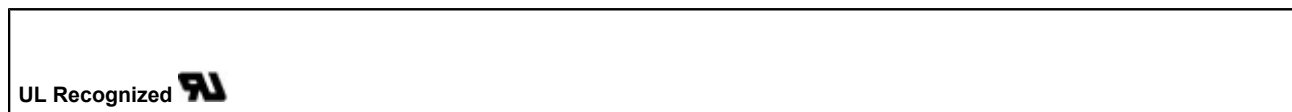
UNSPSC

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

approvals

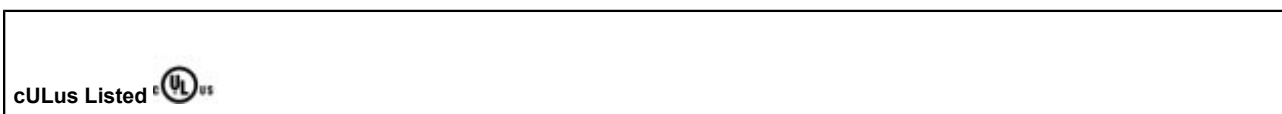
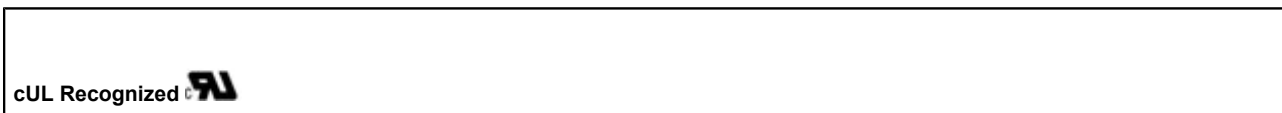
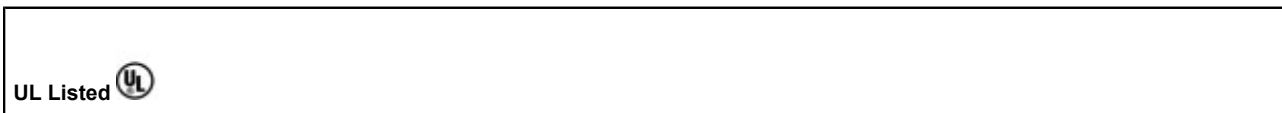
UL Recognized / UL Listed / cUL Recognized / cUL Listed / cULus Recognized / cULus Listed /

Approval details



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approvals



accessories

Configuration and diagnostics

UPS-CONF - 2320403



Data cable preassembled

IFS-USB-DATACABLE - 2320500



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accessories

IFS-RS232-DATACABLE - 2320490



IFS-MINI-DIN-DATACABLE - 2320487



IFS-OPEN-END-DATACABLE - 2320450



Memory block

IFS-CONFSTICK-L - 2901103



Assembly adapter

UTA 107/30 - 2320089



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accessories

UWA 182/52 - 2938235

QUINT-PS-ADAPTERS7/1 - 2938196



Drawings

Block diagram

