

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

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Uninterruptible power supply with IQ technology and integrated power storage for DIN rail mounting, input 24 V DC, output: 24 V DC/5 A, power storage: lead AGM 1.3 Ah, incl. mounted UTA 107/30 universal DIN rail adapter

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

Packing unit	1 pc
Weight per Piece (excluding packing)	2420.0 GRM
Custom tariff number	85371091
Country of origin	China

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, non-condensing)

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

Technical data

Ambient conditions

Noise immunity	EN 61000-6-2:2005
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Input data

Nominal input voltage	24 V DC
Input voltage range	18 V DC ... 30 V DC
Current consumption	9.3 A (24 V DC)
	9.7 mA
	1.7 A
	7 A
Buffer period	50 min (1 A)
	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)
	97.31 %
Protection class	III
MTBF (IEC 61709, SN 29500)	> 806000 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)
	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

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

Technical data

General

	UL Listed UL 508
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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
Screw thread	M4

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

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

Technical data

Signaling

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
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

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

Classifications

UNSPSC

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

Approvals

Approvals


Approvals

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

Ex Approvals

Approvals submitted

Approval details

UL Recognized 

UL Listed 

cUL Recognized 

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

Approvals

cULus Recognized

cULus Listed

Drawings

Block diagram

