Uninterruptible power supply - QUINT-DC-UPS/24DC/10 - 2866226

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Uninterruptible power supply 24 V DC/10 A, with integrated 1.3 Ah battery module. In the download area, there is a clearly arranged selection table available with load currents and buffer times, as well as charging times after buffer mode.

Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	1903.4 g
Custom tariff number	85371091
Country of origin	China

Technical data

Dimensions

Width	100 mm
Height	130 mm
Depth	125 mm

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	0 °C ... 50 °C
Ambient temperature (storage/transport)	0 °C ... 40 °C
Max. permissible relative humidity (operation)	95 % (at 25 °C, non-condensing)
Noise immunity	EN 61000-6-2:2005

Input data

Nominal input voltage	24 V DC
Input voltage range	22.5 V DC ... 30 V DC
Current consumption	approx. 0.1 A
	0.5 A (charging process)

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Technical data

Input data

	10.5 A (max.)
Current consumption (maximum)	10.5 A (max.)
Current consumption (idle)	approx. 0.1 A
Current consumption (charging process)	0.5 A (charging process)
Buffer period	1.5 min. (10 A)
	20 min. (2 A)
Input fuse	15 A (slow-blow, internal)

Output data

Nominal output voltage	24 V DC (Normal operation: U_{in}- 0.5 V DC, buffer mode: 27.9 to 19.2 V DC)
Nominal output current (I_N)	10 A
Connection in parallel	No
Connection in series	Yes
Output power	240 W

General

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	1.8 kg
Memory medium	Internal, battery 1.3 Ah
Operating voltage display	Green LED
Efficiency	> 91 %
Insulation voltage input/output	2 kV (routine test)
	4 kV (type test)
Protection class	II (in closed control cabinet)
MTBF (IEC 61709, SN 29500)	> 500000 h
Mounting position	horizontal DIN rail NS 35, EN 60715
Assembly instructions	Can be aligned: Horizontally 0 mm, vertically 50 mm

Connection data, input

Connection method	Pluggable screw connection
Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	2.5 mm²
Conductor cross section flexible min.	0.2 mm²
Conductor cross section flexible max.	2.5 mm²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	12
Stripping length	7 mm

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Technical data

Connection data, input

Screw thread	M3

Connection data, output

Connection method	Pluggable screw connection
Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	2.5 mm²
Conductor cross section flexible min.	0.2 mm²
Conductor cross section flexible max.	2.5 mm²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	12
Stripping length	7 mm
Screw thread	M3

Signaling

Output description	Power OK
Status display	LED "Power OK" green
Note on status display	Power OK: LED permanently lit
Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	2.5 mm²
Conductor cross section flexible min.	0.2 mm²
Conductor cross section flexible max.	2.5 mm²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	12
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm
Screw thread	M3
Output name	floating
Output description	Alarm
Maximum switching voltage	≤ 30 V AC/DC
Continuous load current	≤ 1 A
Status display	LED red
Note on status display	Alarm: LED permanently lit
Output name	floating
Output description	Battery Charge
Maximum switching voltage	≤ 30 V AC/DC
Continuous load current	≤ 1 A
Status display	LED yellow, flashing
Note on status display	Battery charge: LED flashing

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Technical data

Signaling

Output name	floating
Output description	Battery Mode
Type of signaling	LED, relay contact
Maximum switching voltage	≤ 30 V AC/DC
Continuous load current	≤ 1 A
Status display	Yellow LED
Note on status display	Battery mode: LED permanently lit

Standards and Regulations

Electromagnetic compatibility	Conformance with EMC Directive 2004/108/EC
Noise emission	EN 55011 (EN 55022)
Noise immunity	EN 61000-6-2:2005
Connection in acc. with standard	CUL
Standard – Electrical equipment of machines	EN 60204-1
Standard - Safety of transformers	EN 61558-2-17
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)
Standard - Safe isolation	DIN VDE 0100-410
Shipbuilding approval	Germanischer Lloyd (EMC 2), ABS, DNV
UL approvals	UL/C-UL listed UL 508
	UL/C-UL Recognized UL 60950
	UL/C-UL Listed UL 1604 Class I, Division 2, Groups A, B, C, D
Low Voltage Directive	Conformance with LV directive 2006/95/EC

Classifications

eCl@ss

eCl@ss 4.0	27040603
eCl@ss 4.1	27040603
eCl@ss 5.0	27040603
eCl@ss 5.1	27040603
eCl@ss 6.0	27040603
eCl@ss 7.0	27040603
eCl@ss 8.0	27040603
eCl@ss 9.0	27040705

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Classifications

ETIM

ETIM 2.0	EC000382
ETIM 3.0	EC000382
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

Approvals

Approvals

UL Recognized / UL Listed / cUL Recognized / cUL Listed / GL / DNV / EAC / EAC / cULus Recognized / cULus Listed

Ex Approvals

UL Listed / cUL Listed / cULus Listed

Approvals submitted

Approval details

UL Recognized

UL Listed

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Approvals

cUL Recognized

cUL Listed

GL

DNV

EAC

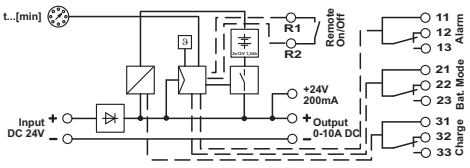
EAC

cULus Recognized

cULus Listed

Drawings

Block diagram



Diagram