

QUINT-DC-UPS/24DC/40

Order No.: 2866242



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2866242>

Uninterruptible power supply 24 V/40 A. 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.

Commercial data

EAN	4017918959715
Pack	1 pcs.
Customs tariff	85044081
Weight/Piece	1.0377 KG
Catalog page information	Page 587 (IF-2009)

Product notes

WEEE/RoHS-compliant since:
07/10/2006



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Technical data

Input data

Nominal input voltage	24 V DC
DC input voltage range	22.5 V DC ... 30 V DC

Current consumption	Approx. 0.1 A
	2.5 A (charging process)
	42.5 A (max.)
Buffer period	(depends on the storage medium, e.g. 10 min / 40 A)
Input fuse	50 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)
Output current	40 A
Connection in parallel	Yes, for increasing the buffer period
Connection in series	Yes

General data

Width	66 mm
Height	130 mm
Depth	125 mm
Weight	0.9 kg
Memory medium	external, battery 3.4 Ah/7.2 Ah/12 Ah
Operating voltage display	LED green
Efficiency	> 98 %
Insulation voltage input/output	2 kV (routine test) 4 kV (type test)
Degree of protection	IP20
Class of protection	II (in an enclosed control cabinet)
MTBF	> 500 000 h in acc. with IEC 61709 (SN 29500)
Ambient temperature (operation)	-25 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Max. permissible relative humidity (operation)	95 % (at 25 °C, no condensation)
Mounting position	Horizontal DIN rail NS 35, EN 60715
Assembly instructions	Can be aligned: Horizontal 0 cm, vertical 5 cm
Electromagnetic compatibility	Conformance with EMC guideline 2004/108/EC and for low-voltage guideline 2006/95/EC
Emitted interference	EN 50081-2
Immunity to interference	EN 61000-6-2:2005
Standard – Electrical equipment of machines	EN 60204
Standard - Safety of transformers	EN 61558-2-17

Standard - Electrical safety	EN 60950/VDE 0805 (SELV)
	EN 61558-2-17
Shipbuilding approval	German Lloyd, ABS, DNV
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
	DIN VDE 0106-1010
UL approvals	UL/C-UL listed UL 508
	UL/C-UL Recognized UL 60950

Connection data, input

Type of connection	Screw connection
Conductor cross section solid min.	0.5 mm ²
Conductor cross section solid max.	16 mm ²
Conductor cross section stranded min.	0.5 mm ²
Conductor cross section stranded max.	10 mm ²
Conductor cross section AWG/kcmil min.	20
Conductor cross section AWG/kcmil max	6
Stripping length	10 mm
Screw thread	M4

Connection data, output

Type of connection	Screw connection
Conductor cross section solid min.	0.5 mm ²
Conductor cross section solid max.	16 mm ²
Conductor cross section stranded min.	0.5 mm ²
Conductor cross section stranded max.	10 mm ²
Conductor cross section AWG/kcmil min.	20
Conductor cross section AWG/kcmil max	6
Stripping length	10 mm

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 mm ²
Conductor cross section solid max.	4 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	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
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

Certificates / Approvals



Certification ABS, CUL, CUL Listed, DNV, GL, GOST, UL, UL Listed

Certification Ex: CUL-EX LIS, UL-EX LIS

Accessories

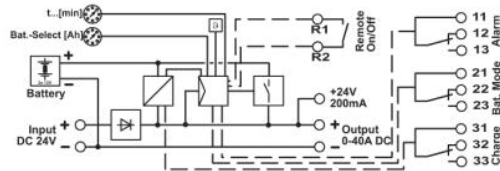
Item	Designation	Description
Fuse		
0913757	SI FORM C 25 A DIN 72581	Fuse modular terminal block, Nominal current: 25 A, Length: 19 mm, Width: 5 mm, Height: 13 mm, Color: white

General

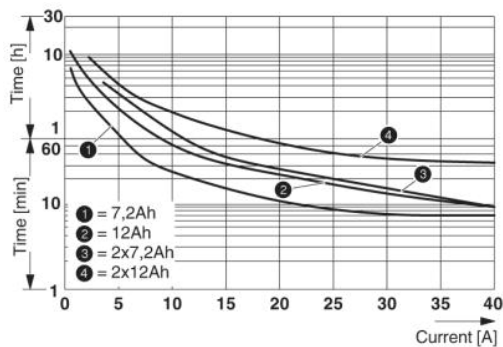
2866349	QUINT-BAT/24DC/ 3.4AH	Battery module, 24 V DC, 3,4 Ah, connection to QUINT-UPS/24DC/20, QUINT-UPS/24DC/40 and TRIO-UPS/24DC/5 via pin cable lug, 14 mm
2866352	QUINT-BAT/24DC/ 7.2AH	Battery module, 24 V DC, 7.2 Ah, connection to QUINT-UPS/24DC/20, QUINT-UPS/24DC/40 and TRIO-UPS/24DC/5 via pin cable lug, 14 mm
2866365	QUINT-BAT/24DC/12AH	Battery module, 24 V DC, 12 Ah, connection to QUINT-UPS/24DC/20, QUINT-UPS/24DC/40 and TRIO-UPS/24DC/5 via pin cable lug, 14 mm
2938235	UWA 182/52	Universal wall adapter

Diagrams/Drawings

Block diagram



Diagram



Approbationslogos (EX-Bereich)



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