

# QUINT-DC-UPS/24DC/40

Order No.: 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	1.0471 KG
Catalog page information	Page 493 (IF-2007)

**Product notes**

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



Technical data	
<b>Input data</b>	
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)
<b>Output data</b>	
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
<b>General data</b>	
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
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
Standard – Shipbuilding	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 <sup>2</sup>
Conductor cross section solid max.	16 mm <sup>2</sup>
Conductor cross section stranded min.	0.5 mm <sup>2</sup>
Conductor cross section stranded max.	10 mm <sup>2</sup>
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 <sup>2</sup>
Conductor cross section solid max.	16 mm <sup>2</sup>
Conductor cross section stranded min.	0.5 mm <sup>2</sup>
Conductor cross section stranded max.	10 mm <sup>2</sup>
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 <sup>2</sup>
Conductor cross section solid max.	4 mm <sup>2</sup>

Conductor cross section stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	2.5 mm <sup>2</sup>
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

**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
<b>General</b>		
2938235	UWA 182/52	Universal wall adapter