



Extract from the online
catalog

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 | |
|------------------------|-----------------------|
| 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 |
| 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 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 |

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 |
|----------------|-------------|------------------------|
| General | | |
| 2938235 | UWA 182/52 | Universal wall adapter |