

Uninterruptible power supply - QUINT-DC-UPS/24DC/20 - 2866239

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Uninterruptible power supply 24 V/20 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.



Key Commercial Data

| | |
|--------------|---------------|
| Packing unit | 1 pc |
| GTIN | |
| GTIN | 4017918959708 |

Technical data

Dimensions

| | |
|----------------------------------|--------|
| Width | 66 mm |
| Height | 130 mm |
| Depth | 125 mm |
| Width with alternative assembly | 122 mm |
| Height with alternative assembly | 130 mm |
| Depth with alternative assembly | 69 mm |

Ambient conditions

| | |
|--|---------------------------------|
| Degree of protection | IP20 |
| Ambient temperature (operation) | -25 °C ... 70 °C |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C |
| Max. permissible relative humidity (operation) | 95 % (at 25 °C, non-condensing) |

Input data

| | |
|-----------------------|------------------------|
| Nominal input voltage | 24 V DC |
| Input voltage range | 22.5 V DC ... 30 V DC |
| Current consumption | approx. 0.1 A |
| | 2 A (charging process) |
| | 22 A (max.) |

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Input data

| | |
|--|----------------------------|
| Current consumption (maximum) | 22 A (max.) |
| Current consumption (idle) | approx. 0.1 A |
| Current consumption (charging process) | 2 A (charging process) |
| Buffer period | 5 min. (10 A) |
| | 20 min. (20 A) |
| Input fuse | 25 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) | 20 A |
| Connection in parallel | Yes, for increasing the buffer period |
| Connection in series | yes |
| Output power | 480 W |

General

| | |
|---------------------------------|--|
| Net weight | 0.8 kg |
| Memory medium | external, battery 3.4 Ah/7.2 Ah/12 Ah |
| Operating voltage display | Green LED |
| Efficiency | > 95 % |
| Insulation voltage input/output | 1 kV (routine test) |
| | 1 kV (type test) |
| Protection class | II (in closed control cabinet) |
| Degree of protection | IP20 |
| MTBF (IEC 61709, SN 29500) | > 500000 h |
| Mounting position | horizontal DIN rail NS 35, EN 60715 |
| Assembly instructions | alignable: horizontally 0 mm, vertically 50 mm |

Connection data, input

| | |
|---------------------------------------|---------------------|
| Connection method | Screw connection |
| Conductor cross section solid min. | 0.5 mm ² |
| Conductor cross section solid max. | 16 mm ² |
| Conductor cross section flexible min. | 0.5 mm ² |
| Conductor cross section flexible max. | 10 mm ² |
| Conductor cross section AWG min. | 20 |
| Conductor cross section AWG max. | 6 |
| Stripping length | 10 mm |
| Screw thread | M4 |

Connection data, output

| | |
|------------------------------------|---------------------|
| Connection method | Screw connection |
| Conductor cross section solid min. | 0.5 mm ² |
| Conductor cross section solid max. | 16 mm ² |

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Connection data, output

| | |
|---------------------------------------|---------------------|
| Conductor cross section flexible min. | 0.5 mm ² |
| Conductor cross section flexible max. | 10 mm ² |
| Conductor cross section AWG min. | 20 |
| Conductor cross section AWG max. | 6 |
| Stripping length | 10 mm |
| Screw thread | M4 |

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 flexible min. | 0.2 mm ² |
| Conductor cross section flexible max. | 2.5 mm ² |
| 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 |
| 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 2014/30/EU |
|-------------------------------|---|

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Standards and Regulations

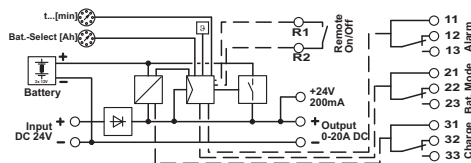
| | |
|--|---|
| Noise emission | EN 55011 (EN 55022) |
| Noise immunity | EN 61000-6-2:2005 |
| Connection in acc. with standard | CUL |
| Low Voltage Directive | Conformance with LV directive 2006/95/EC |
| Standard - Safety of transformers | EN 61558-2-17 |
| Standard - Electrical safety | EN 60950-1/VDE 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 | DNV GL (EMC A), ABS |
| UL approvals | UL/C-UL listed UL 508 |
| | UL/C-UL Recognized UL 60950-1 |
| | UL/C-UL Listed UL 1604 Class I, Division 2, Groups A, B, C, D |

Environmental Product Compliance

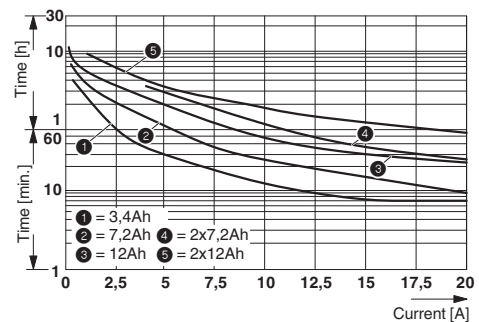
| | |
|------------|---|
| REACH SVHC | Lead 7439-92-1 |
| China RoHS | Environmentally Friendly Use Period = 25; |
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

Drawings

Block diagram



Diagram



Approvals

Approvals

Approvals

PRS / DNV / GL / ABS / BSH / UL Listed / UL Recognized / cUL Recognized / cUL Listed / EAC / EAC / cULus Recognized / cULus Listed

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Approvals

Ex Approvals


UL Listed / cUL Listed / cULus Listed


Approval details


| | | | |
|----------------|--|---|-------------------|
| PRS | | http://www.prs.pl/ | TE/2103/880590/16 |
| DNV | | http://exchange.dnv.com/tari/ | E-13906 |
| GL | | http://exchange.dnv.com/tari/ | 20582-04 HH |
| ABS | | http://www.eagle.org/eagleExternalPortalWEB/ | 15-HG1400727-PDA |
| BSH | | http://www.bsh.de/de/index.jsp | Nr. 581 |
| UL Listed | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 123528 |
| UL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 211944 |
| cUL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 211944 |
| cUL Listed | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 123528 |
| EAC | | | EAC-Zulassung |

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Approvals

| | | |
|-----|---|--------------------------|
| EAC |  | RU C- DE.A*30.B.01082 |
|-----|---|--------------------------|

| | | |
|------------------|---|--|
| cULus Recognized |  | |
|------------------|---|--|

| | | |
|--------------|---|--|
| cULus Listed |  | |
|--------------|---|--|

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PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>

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- Поставка сложных, дефицитных, либо снятых с производства позиций;
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- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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JONHON

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Телефон: 8 (812) 309-75-97 (многоканальный)

Факс: 8 (812) 320-03-32

Электронная почта: ocean@oceanchips.ru

Web: <http://oceanchips.ru/>

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, д. 2, корп. 4, лит. А