

2320283

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Uninterruptible power supply with IQ technology for DIN rail mounting. Input: 120/230 V AC, output: 120/230 V AC/1 kVA. Provides information regarding the state of charge, remaining runtime, and service life of the rechargeable battery module at any time, thereby increasing system availability.

Product description

Supply AC loads reliably with the uninterruptible power supply from the QUINT range for DIN rails. Due to the online topology, the AC UPS delivers a pure sine curve in mains and battery operation. Combine the online UPS with various UPS-BAT energy storage devices. The USB interface makes it convenient to shut down your PC.

Your advantages

- · Smooth transition due to online topology
- Pure sine curve in mains and battery operation
- · USB interface for connecting to industrial PCs, for example
- · Startup from energy storage possible, even without mains input
- Can be switched in parallel for redundancy and increased performance

Commercial data

Item number	2320283
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	CM22
Product key	CMUI15
Catalog page	Page 331 (C-4-2019)
GTIN	4055626244563
Weight per piece (including packing)	5,630 g
Weight per piece (excluding packing)	5,151 g
Customs tariff number	85371091
Country of origin	DE



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Technical data

Input data

AC operation	
Input voltage	100 V AC -10 % / +20 %
	110 V AC -10 % / +20 %
	120 V AC -10 % / +20 %
	130 V AC -10 % / +20 %
	200 V AC -20 % / +20 %
	210 V AC -20 % / +20 %
	220 V AC -20 % / +20 %
	230 V AC -20 % / +15 %
	240 V AC -20 % / +10 %
Input voltage range	90 V AC 264 V AC
Input voltage range AC	184 V AC 264 V AC
	96 V AC 144 V AC
Typical national grid voltage	120 V AC
	230 V AC
Voltage type of supply voltage	AC
AC frequency range	45 Hz 65 Hz
Buffer period	1 h (38 AH)
Current consumption	10.4 A (100 V AC)
	10.5 A (110 V AC)
	10.5 A (120 V AC)
	9.7 A (130 V AC)
	6.4 A (200 V AC)
	6 A (210 V AC)
	5.7 A (220 V AC)
	5.5 A (230 V AC)
	5.3 A (240 V AC)
Variable connect threshold	Can be configured using UPS-CONF software
Power factor (cos phi)	0.9
Bypass fuse	T 15 A / 250 V (MDA -15-R)
Permissible backup fuse	B16 230 V AC
	20 A (120 V AC, Listed breaker)
igital Control (configurable)	
Designation	Remote
Low signal	Connection to SGnd with < 2.7 kΩ
High signal	Open (> 35 kΩ between Remote and SGnd)
Digital Control Low-Active (configurable)	
Battery-operated start 120 V AC low signal	Connection to SGnd with < 2.7 kΩ



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ut data	
Classification according to IEC 62040-3	VFI-SS-111
Efficiency	> 92 % (120 V AC)
	> 94 % (230 V AC)
Nominal output voltage	100 V AC
	110 V AC
	120 V AC
	130 V AC
	200 V AC
	210 V AC
	220 V AC
	230 V AC
	240 V AC
Form of output voltage	Pure sine
Nominal output current (I _N)	7.8 A (100 V AC)
	8.1 A (110 V AC)
	8.3 A (120 V AC)
	7.7 A (130 V AC)
	5 A (200 V AC)
	4.8 A (210 V AC)
	4.5 A (220 V AC)
	4.3 A (230 V AC)
	4.2 A (240 V AC)
POWER BOOST (I _{Boost})	13 A (120 V AC)
	7 A (230 V AC)
Output power	778 VA (700 W)
	889 VA (800 W)
	1000 VA (900 W)
	1000 VA (900 W)
	1000 VA (900 W)
	1000 VA (900 W)
	1000 VA (900 W)
	1000 VA (900 W)
	1000 VA (900 W)
Apparent power	1 kVA (U _N ≥ 120 V AC)
Nominal power	900 W (U _N ≥ 120 V AC)
Maximum no-load power dissipation	typ. 17 W (120 V AC)
	typ. 25 W (230 V AC)
Power loss nominal load max.	typ. 79 W (120 V AC)
	typ. 55 W (230 V AC)
Crest factor	2.8
Switch-over time	0 ms



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Connection in parallel	yes, 2
Connection in series	No
Mains operation	
Nominal output voltage	120 V AC ±2 %
	230 V AC ±2 %
Nominal output current (I _N)	8.3 A
	4.3 A (230 V AC)
POWER BOOST (I _{Boost})	13 A
	7 A
Battery operation	
Nominal output voltage	120 V AC ±2 %
	230 V AC ±2 %
Nominal output current (I _N)	4.3 A (230 V AC)
	8.3 A (120 V AC)
POWER BOOST (I _{Boost})	7 A (230 V AC)
	13 A (120 V AC)
Nominal output frequency	± 60 Hz ±0.5 % (At an input frequency of 55 Hz to < 65 Hz)
	± 50 Hz ±0.5 % (At an input frequency of 45 Hz to < 55 Hz)
Signal: AC OK	
Output voltage	24 V
Continuous load current	≤ 20 mA
Signal: Alarm	
Output voltage	24 V
Continuous load current	≤ 20 mA
	- 20 Hill
Signal: Battery mode	2414
Output voltage	24 V
Continuous load current	≤ 20 mA
Signal: Ready	
Output voltage	
	24 V
Continuous load current	24 V ≤ 20 mA
Continuous load current	
Continuous load current Signal: P>P _n	≤ 20 mA
Continuous load current Signal: P>P _n Output voltage Continuous load current	≤ 20 mA 24 V (SELV)
Continuous load current Signal: P>P _n Output voltage Continuous load current nergy storage	≤ 20 mA 24 V (SELV)
Continuous load current Signal: P>P _n Output voltage Continuous load current	≤ 20 mA 24 V (SELV) ≤ 20 mA
Continuous load current Signal: P>P _n Output voltage Continuous load current ergy storage Nominal voltage U _N	≤ 20 mA 24 V (SELV) ≤ 20 mA 2x 24 V DC
Continuous load current Signal: P>P _n Output voltage Continuous load current nergy storage Nominal voltage U _N End-of-charge voltage	≤ 20 mA 24 V (SELV) ≤ 20 mA 2x 24 V DC 58 V (temperature compensated)



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Charge characteristic curve	IU ₀ U
Permissible backup fuse	50 A / ≥ 58 V

Connection data

Input

Connection method	Screw connection
Conductor cross section, rigid min.	0.2 mm ²
Conductor cross section, rigid max.	6 mm²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	4 mm²
Single conductor/flexible terminal point with ferrule with plastic sleeve, min.	0.25 mm ²
Single conductor/flexible terminal point with ferrule with plastic sleeve, max.	4 mm ²
Single conductor/flexible terminal point with ferrule without plastic sleeve, min.	0.25 mm ²
Single conductor/flexible terminal point with ferrule without plastic sleeve, max.	4 mm ²
Conductor cross section AWG min.	30
Conductor cross section AWG max.	10
Stripping length	8 mm
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

Output

Connection method	Screw connection
Conductor cross section, rigid min.	0.2 mm ²
Conductor cross section, rigid max.	6 mm²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	4 mm²
Single conductor/flexible terminal point with ferrule with plastic sleeve, min.	0.25 mm ²
Single conductor/flexible terminal point with ferrule with plastic sleeve, max.	4 mm ²
Single conductor/flexible terminal point with ferrule without plastic sleeve, min.	0.25 mm ²
Single conductor/flexible terminal point with ferrule without plastic sleeve, max.	4 mm ²
Conductor cross section AWG min.	30
Conductor cross section AWG max.	10
Stripping length	8 mm
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

Signal

Connection method	Screw connection
Conductor cross section, rigid min.	0.2 mm²



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Conductor cross section flexible min. Conductor cross section flexible min. Conductor cross section flexible min. Single conductor/flexible terminal point with ferrule with plastic sleeve, min. Single conductor/flexible terminal point with ferrule with plastic sleeve, min. Single conductor/flexible terminal point with ferrule without plastic sleeve, min. Single conductor/flexible terminal point with ferrule without plastic sleeve, min. Single conductor/flexible terminal point with ferrule without plastic sleeve, min. Single conductor cross section AWG min. Conductor cross section AWG min. Conductor cross section AWG min. Conductor cross section AWG max. 12 Single play the min of the		
Conductor cross section flexible max. Single conductor/flexible terminal point with ferrule with plastic sleeve, min. Single conductor/flexible terminal point with ferrule with plastic sleeve, min. Single conductor/flexible terminal point with ferrule without plastic sleeve, max. Single conductor/flexible terminal point with ferrule without plastic sleeve, min. Single conductor/flexible terminal point with ferrule without plastic sleeve, min. Conductor cross section AWG min. Conductor cross section AWG min. Conductor cross section AWG max. 12 Stripping length Tightening forque, min Tightening forque, min Tightening forque max Interfaces Interface Features Maximum cable length Signaling Types of signaling EED Active switching output Signal output: Transistor output, active Signalization designation Battery mode LED Color Signal output: Transistor output, active Signalization designation Ready Signal output: Transistor output, active Signalization designation Signal output: Transistor output, active	Conductor cross section, rigid max.	2.5 mm ²
Single conductorflexible terminal point with ferrule with plastic sleeve, min. Single conductorflexible terminal point with ferrule with plastic sleeve, max. Single conductorflexible terminal point with ferrule without plastic sleeve, min. Single conductorflexible terminal point with ferrule without plastic sleeve, min. Single conductor cross section AWG min. 12 Stripping length Tightening torque, min Tightening torque max Interfaces Interface Interface MINI-USB type B Features Iockable Maximum cable length 3 m Signalling Types of signaling LED Active switching output Signal output: Transistor output, active Signalization designation Status display LED Color green Signalization designation Status display LED Signalization designation Ready Signalization designation Status display LED	Conductor cross section flexible min.	0.2 mm²
sieve, min. Single conductor/flexible terminal point with ferrule with plastic sleeve, max. Single conductor/flexible terminal point with ferrule without plastic sleeve, min. Single conductor/flexible terminal point with ferrule without plastic sleeve, min. Single conductor/flexible terminal point with ferrule without plastic sleeve, max. Conductor cross section AWG min. Conductor cross section AWG min. Conductor gross section AWG min. 12 Stripping length 8 mm Tightening torque, min 0.5 Nm Tightening torque max O.6 Nm Interface MINI-USB type B Features lockable Maximum cable length 3 m Signaling Types of signaling LED Active switching output Signal output: Transistor output, active Signalization designation AC OK Status display LED Color Signal output: Transistor output, active	Conductor cross section flexible max.	2.5 mm²
Single conductor/flexible terminal point with ferrule without plastic sleeve, min. Single conductor/flexible terminal point with ferrule without plastic sleeve, min. Single conductor/flexible terminal point with ferrule without plastic sleeve, min. Conductor cross section AWG min. Conductor cross section AWG max. 12 Stripping length 8 mm Tightening torque, min 0.5 Nm Tightening torque max. Interfaces Interface MINI-USB type B lockable Features lockable Aximum cable length 3 m Signaling Types of signaling LED Active switching output Signal output: Transistor output, active		0.2 mm ²
sleeve, min. Single conductor/flexible terminal point with ferrule without plastic sleeve, max. Conductor cross section AWG min. Conductor cross section AWG max. 12 Stripping length 8 mm Tightening torque, min 1 ightening torque max Interfaces Interface Features Interface Features Maximum cable length 3 m Signaling Types of signaling LED Active switching output Signal output: Transistor output, active Signal output: Transistor output, active Signalization designation Status display LED Color Signal output: Transistor output, active Signalization designation Alarm Status display LED Color Signal output: Transistor output, active Signalization designation Alarm Status display LED Color signal output: Transistor output, active Signalization designation Alarm Status display LED Color red Signal output: Transistor output, active Signalization designation Status display LED Color sed Signal output: Transistor output, active Signalization designation Ready Signal output: Transistor output, active Signal output: Transistor output, active Signalization designation Ready Status display LED		2.5 mm²
Sieve, max. Soundation and Service Signal coutput. Transistor output, active Signal coutput. Transistor output. Active Signal coutput. Transistor output. Active Signal coutput. Transistor output. Active Signal coutput. Transisto		0.2 mm ²
Conductor cross section AWG max. Stripping length 8 mm Tightening torque, min 0.5 Nm Tightening torque max 0.6 Nm Interfaces Interface Interface MINI-USB type B Features lockable Maximum cable length 3 m Signaling Types of signaling LED Active switching output Signal output: Transistor output, active Signal output: Transistor output, active Signal output: Transistor output, active		2.5 mm²
Stripping length Tightening torque, min Tightening torque max 0.6 Nm Interfaces Interface Interface Features Maximum cable length 3 m Signaling Types of signaling LED Active switching output Signal output: Transistor output, active Signal output: Transistor output, active Signalization designation Status display LED Color Signal output: Transistor output, active Signalization designation Alarm Status display LED Color Signal output: Transistor output, active Signalization designation Alarm Status display LED Color Status display LED Color Signal output: Transistor output, active Signalization designation Ready Signalization designation Ready Signalization designation P>Pn Status display LED	Conductor cross section AWG min.	30
Tightening torque, min Tightening torque max Interfaces Interface MINI-USB type B Features lockable Maximum cable length 3 m Signalling Types of signaling Types of signaling LED Active switching output Signal output: Transistor output, active Signalization designation AC OK Status display LED Color green Signalization designation Alarm Status display LED Color red Signalization designation Alarm Status display LED Color red Signalization designation Alarm Status display LED Color red Signal output: Transistor output, active Signalization designation Alarm Status display LED Color red Signal output: Transistor output, active Signalization designation Battery mode Status display LED Color yellow Signal output: Transistor output, active Signalization designation Ready Signalization designation Ready Signalization designation Ready	Conductor cross section AWG max.	12
Interfaces Interface MINI-USB type B Features Iockable Maximum cable length Signalling Image: Types of signaling Image: EED Active switching output Signal output: Transistor output, active Signalization designation AC OK Status display LED Color green Signal output: Transistor output, active Signalization designation Alarm Status display LED Color Ired Signalization designation Status display LED Color Signalization designation Battery mode Status display LED Color Signalization designation Battery mode Status display LED Signalization designation Ready Signalization designation Ready Signalization designation Ready Signalization designation P>Pn Status display LED	Stripping length	8 mm
Interface Interface Interface Features Maximum cable length Signaling Types of signaling LED Active switching output Signal output: Transistor output, active Signalization designation AC OK Status display LED Color green Signal output: Transistor output, active Signalization designation Alarm Status display LED Color Signal output: Transistor output, active Signalization designation Status display LED Color seen Signal output: Transistor output, active Signalization designation Status display LED Color Signal output: Transistor output, active Signal output: Transistor output, active Signalization designation Battery mode Status display LED Color Signal output: Transistor output, active Signalization designation Ready Signalization designation P>P _n Status display LED	Tightening torque, min	0.5 Nm
Interface MINI-USB type B Features lockable Maximum cable length 3 m Signaling Types of signaling LED Active switching output Signal output: Transistor output, active Signalization designation AC OK Status display LED Color green Signalization designation Alarm Status display LED Color red Signalization designation Alarm Status display LED Color red Signalization designation Battery mode Status display LED Color red Signalization designation Battery mode Status display LED Color Red Signalization designation Battery mode Status display LED Color Red Signalization designation Battery mode Status display LED Color Red Signalization designation Battery mode Status display LED Color Ready Signalization designation Ready Signalization designation Ready Signalization designation P>Pn Status display LED	Tightening torque max	0.6 Nm
Features Maximum cable length Signaling Types of signaling LED Active switching output Signal output: Transistor output, active Signalization designation AC OK Status display LED Color green Signal output: Transistor output, active Signalization designation Alarm Status display LED Color Signalization designation Alarm Status display LED Color red Signalization designation Battery mode Status display LED Color Signal output: Transistor output, active Signalization designation Battery mode Status display LED Color Status display LED Color Signal output: Transistor output, active Signalization designation Ready Signal output: Transistor output, active Signalization designation Ready Signalization designation P>P _n Status display LED	Interfaces	
Signaling Types of signaling LED Active switching output Signal output: Transistor output, active Signalization designation Signal output: Transistor output, active Signalization designation AC OK Status display LED Color Signal output: Transistor output, active Signalization designation Alarm Status display LED Color Signalization designation Battery mode Signalization designation Status display LED Color Signalization designation Battery mode Status display LED Color Signalization designation Ready Signalization designation P>Pn Signalization designation Signalization designation Ready Signalization designation P>Pn Status display LED	Interface	MINI-USB type B
Signaling Types of signaling LED Active switching output Signal output: Transistor output, active Signalization designation AC OK Status display LED Color Signal output: Transistor output, active Signalization designation Alarm Status display LED Color red Signalization designation Signal output: Transistor output, active Signalization designation Battery mode Status display LED Color Signalization designation Battery mode Status display LED Color Signalization designation Ready Signalization designation Ready Signalization designation Ready Signalization designation P>Pn Status display LED	Features	lockable
Types of signaling LED Active switching output Signal output: Transistor output, active Signalization designation AC OK Status display LED Color green Signal output: Transistor output, active Signalization designation Alarm Status display LED Color red Signal output: Transistor output, active Signalization designation Signalization designation Battery mode Signalization designation Status display LED Color Signalization designation Battery mode Status display LED Color Signal output: Transistor output, active Signalization designation Ready Signal output: Transistor output, active Signalization designation Ready Signalization designation P>P _n Status display LED	Maximum cable length	3 m
Signal output: Transistor output, active Signalization designation AC OK Status display LED Color green Signal output: Transistor output, active Signalization designation Alarm Status display LED Color red Signal output: Transistor output, active Signalization designation Alarm Status display LED Color red Signal output: Transistor output, active Signalization designation Battery mode Status display LED Color yellow Signal output: Transistor output, active	Signaling	
Signal output: Transistor output, active Signalization designation AC OK Status display LED Color green Signal output: Transistor output, active Signalization designation Alarm Status display LED Color red Signal output: Transistor output, active Signalization designation Battery mode Status display LED Color LED Signalization designation Battery mode Status display LED Color yellow Signal output: Transistor output, active	Types of signaling	LED
Signalization designation Status display LED Color green Signal output: Transistor output, active Signalization designation Status display LED Color red Signal output: Transistor output, active Signal output: Transistor output, active Signal output: Transistor output, active Signalization designation Battery mode Status display LED Color yellow Signal output: Transistor output, active Signalization designation P>Pn Status display LED		Active switching output
Status display Color green Signal output: Transistor output, active Signalization designation Status display Color Color Signal output: Transistor output, active Signal output: Transistor output, active Signalization designation Battery mode Status display LED Color yellow Signal output: Transistor output, active	Signal output: Transistor output, active	
Color green Signal output: Transistor output, active Signalization designation Alarm Status display LED Color red Signal output: Transistor output, active Signalization designation Battery mode Status display LED Color yellow Signal output: Transistor output, active Signalization designation P>Pn Status display LED	Signalization designation	AC OK
Signal output: Transistor output, active Signalization designation Status display Color red Signal output: Transistor output, active Signalization designation Battery mode Status display LED Color yellow Signal output: Transistor output, active Signalization designation Ready Signal output: Transistor output, active Signal output: Transistor output, active Signal output: Transistor output, active Signalization designation P>P _n Status display LED		
Signalization designation Status display Color red Signal output: Transistor output, active Signalization designation Status display Color Signal output: Transistor output, active Signal output: Transistor output, active Signal output: Transistor output, active Signalization designation Ready Signal output: Transistor output, active Signalization designation P>P _n Status display LED	Status display	LED
Status display Color red Signal output: Transistor output, active Signalization designation Status display Color Signal output: Transistor output, active Signal output: Transistor output, active Signalization designation Ready Signal output: Transistor output, active Signal output: Transistor output, active Signalization designation P>P _n Status display LED		
Color red Signal output: Transistor output, active Signalization designation Battery mode Status display LED Color yellow Signal output: Transistor output, active Signalization designation Ready Signal output: Transistor output, active Signalization designation P>Pn Status display LED	Color	
Signal output: Transistor output, active Signalization designation Status display Color Signal output: Transistor output, active Signalization designation Ready Signal output: Transistor output, active Signal output: Transistor output, active Signalization designation P>P _n Status display LED	Color Signal output: Transistor output, active	green
Signalization designation Status display LED Color Signal output: Transistor output, active Signalization designation Ready Signal output: Transistor output, active Signal output: Transistor output, active Signal output: Transistor output, active LED	Color Signal output: Transistor output, active Signalization designation	green
Status display Color yellow Signal output: Transistor output, active Signalization designation Ready Signal output: Transistor output, active Signal output: Transistor output, active Signalization designation P>P _n Status display LED	Color Signal output: Transistor output, active Signalization designation Status display	green Alarm LED
Color yellow Signal output: Transistor output, active Signalization designation Ready Signal output: Transistor output, active Signalization designation P>P _n Status display LED	Color Signal output: Transistor output, active Signalization designation Status display Color Signal output: Transistor output, active	green Alarm LED
Signal output: Transistor output, active Signalization designation Ready Signal output: Transistor output, active Signalization designation P>P _n Status display LED	Color Signal output: Transistor output, active Signalization designation Status display Color Signal output: Transistor output, active	green Alarm LED red
Signalization designation Ready Signal output: Transistor output, active Signalization designation P>P _n Status display LED	Color Signal output: Transistor output, active Signalization designation Status display Color Signal output: Transistor output, active Signalization designation Status display	green Alarm LED red Battery mode
Signal output: Transistor output, active Signalization designation P>P _n Status display LED	Color Signal output: Transistor output, active Signalization designation Status display Color Signal output: Transistor output, active Signalization designation Status display	green Alarm LED red Battery mode LED
Signalization designation P>P _n Status display LED	Color Signal output: Transistor output, active Signalization designation Status display Color Signal output: Transistor output, active Signalization designation Status display Color	green Alarm LED red Battery mode LED
Status display LED	Signal output: Transistor output, active Signalization designation Status display Color Signal output: Transistor output, active Signalization designation Status display Color Signal output: Transistor output, active	Alarm LED red Battery mode LED yellow
	Signal output: Transistor output, active Signalization designation Status display Color Signal output: Transistor output, active Signalization designation Status display Color Signal output: Transistor output, active Signalization designation	Alarm LED red Battery mode LED yellow
Color green	Color Signal output: Transistor output, active Signalization designation Status display Color Signal output: Transistor output, active Signalization designation Status display Color Signal output: Transistor output, active Signal output: Transistor output, active Signal output: Transistor output, active	green Alarm LED red Battery mode LED yellow Ready
	Color Signal output: Transistor output, active Signalization designation Status display Color Signal output: Transistor output, active Signalization designation Status display Color Signal output: Transistor output, active	green Alarm LED red Battery mode LED yellow Ready



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Climatic class

Signal output	
Signalization designation	Reference potential for the signal inputs and outputs
Electrical properties	
Number of phases	1.00
Product properties	
Product type	AC UPS
Product family	QUINT AC-USV
MTBF (IEC 61709, SN 29500)	217546 h (230 V AC, at 40 °C)
Insulation characteristics	
Protection class	I
Overvoltage category	II
Pollution degree	3 (≤ 130 V AC)
	2 (> 200 V AC)
Life expectancy (electrolytic capacitors)	
Time	68970 h
Dimensions	
Width	290 mm
Height	130 mm
Depth	125 mm
Installation dimensions	
Installation distance right/left	5 mm / 5 mm
Installation distance top/bottom	50 mm / 50 mm
Mounting	
Mounting type	DIN rail mounting
Material specifications	
Housing material	Metal
Hood version	Sheet steel, DIN EN ISO2081 coat - Fe/Zn 18/B/TopCoat transparent blue
Side element version	Aluminum plate, DIN EN 573-3
Environmental and real-life conditions	
Ambient conditions	
Degree of protection	IP20
Ambient temperature (operation)	-25 °C 60 °C (> 50 °C: 2,5 % / K)
Ambient temperature (storage/transport)	-40 °C 85 °C
Maximum altitude	≤ 3000 m (> 2000 m: 0,6 % / 100 m)

3K3 (EN 60721)



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Signal

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Max. permissible relative humidity (operation)	≤ 95 %
Shock	15g in all directions (EN 60068-2-27)
Vibration (operation)	5 Hz 100 Hz, 0.7g (EN 60068-2-6)
ndards and regulations	
Ininterruptible power supply systems	
Standard designation	Uninterruptible power supply systems
Standards/specifications	EN 62040-1
provals	
IL Identification	UL/C-UL Recognized UL 1778
identification	OL/C-OL Recognized OL 1776
C data	
Low Voltage Directive	Conformance with Low Voltage Directive 2014/35/EC
Interference emission	Noise emission in accordance with EN 62040-2
Noise immunity	Immunity in accordance with EN 62040-2
	Immunity in accordance with EN 61000-6-1 (residential) EN 61000-6-2 (industrial)
Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU
Conducted noise emission	EN 62040-02 (Class C2)
lectrostatic discharge	
Standards/regulations	EN 61000-4-2
lectrostatic discharge	. 011/
Contact discharge	± 6 kV
Discharge in air	± 8 kV
Comments	Criterion A
lectromagnetic HF field	
Standards/regulations	EN 61000-4-3
lectromagnetic HF field	
Frequency range	80 MHz 6 GHz
Test field strength	10 V/m
Comments	Criterion A
ast transients (burst)	EN 04000 4.4
Standards/regulations	EN 61000-4-4
ast transients (burst)	
Input	± 2 kV
	± 2 kV
Output	± 2 kV

± 2 kV



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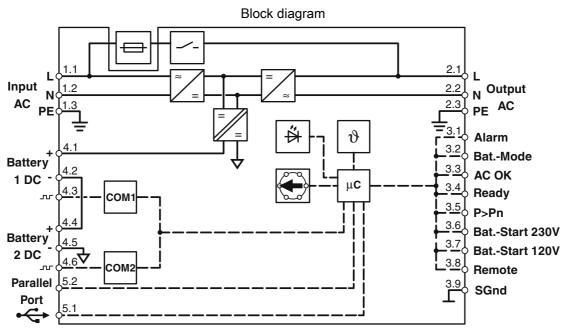
	± 2 kV (USB)
Comments	Criterion A (B for USB)
Surge voltage load (surge)	
Standards/regulations	EN 61000-4-5
Surge voltage load (surge)	
Signal	1 kV (asymmetrical)
Comments	Criterion B
Input/Output	± 1 kV (symmetrical)
	± 2 kV (asymmetrical)
Conducted interference	
Standards/regulations	EN 61000-4-6
Conducted interference	
Frequency range	0.15 MHz 80 MHz
Comments	Criterion A
Voltage	10 V
Power frequency magnetic field	
Standards/regulations	EN 61000-4-8
Frequency	50 Hz
	60 Hz
Test field strength	100 A/m
Comments	Criterion A
Criteria	
Criterion A	Normal operating behavior within the specified limits.
Criterion B	Temporary impairment to operational behavior that is corrected by the device itself.



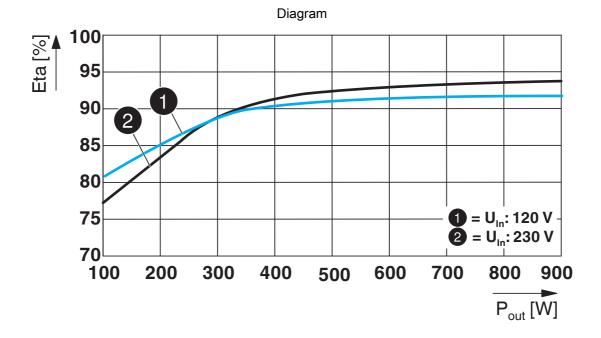
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Drawings



Block diagram



Efficiency



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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2320283



cUL RecognizedApproval ID: FILE E 342453

UL RecognizedApproval ID: FILE E 342453

IECEE CB SchemeApproval ID: DK-70737-UL

EAC
Approval ID: RU S-DE.BL08.W.00764

EAC
Approval ID: RU-DE.B.00184/20

DNV Approval ID: TAA00002JM

1?:

cUL RecognizedApproval ID: FILE E 359066

UL RecognizedApproval ID: FILE E 359066

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Classifications

UNSPSC 21.0

ECLASS

ECLASS-11.0	27040705
ECLASS-13.0	27040705
ECLASS-12.0	27040705
ETIM	
ETIM 9.0	EC000382
UNSPSC	

39121000



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Environmental product compliance

EU RoHS		
Fulfills EU RoHS substance requirements	Yes, No exemptions	
China RoHS		
Environment friendly use period (EFUP)	EFUP-E	
	No hazardous substances above the limits	
EU REACH SVHC		
REACH candidate substance (CAS No.)	No substance above 0.1 wt%	



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Accessories

UPS-BAT/PB/24DC/4AH - Battery module

1274117

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Battery module, VRLA-AGM, 24 V DC, 4 Ah, automatic detection and communication with QUINT UPS-IQ

UPS-BAT/PB/24DC/7AH - Battery module

1274118

https://www.phoenixcontact.com/us/products/1274118



Battery module, VRLA-AGM, 24 V DC, 7 Ah, automatic detection and communication with QUINT UPS-IQ



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https://www.phoenixcontact.com/us/products/2320283

UPS-BAT/PB/24DC/12AH - Battery module

1274119

https://www.phoenixcontact.com/us/products/1274119



Battery module, VRLA-AGM, 24 V DC, 12 Ah, automatic detection and communication with QUINT UPS-IQ

UPS-BAT/PB/24DC/20AH - Battery module

1348516

https://www.phoenixcontact.com/us/products/1348516



Battery module, VRLA-AGM, 24 V DC, 20 Ah, automatic detection and communication with QUINT UPS-IQ



2320283

https://www.phoenixcontact.com/us/products/2320283

UPS-BAT/PB/24DC/40AH - Battery module

1354641

https://www.phoenixcontact.com/us/products/1354641



Battery module, VRLA-AGM, 24 V DC, 40 Ah, automatic detection and communication with QUINT UPS-IQ

UPS-BAT/VRLA-WTR/24DC/13AH - Battery module

2320416

https://www.phoenixcontact.com/us/products/2320416



Battery module, lead AGM, VRLA technology, 24 V DC, 13 Ah, tool-free battery replacement, automatic detection, and communication with QUINT UPS-IQ



2320283

https://www.phoenixcontact.com/us/products/2320283

UPS-BAT/VRLA-WTR/24DC/26AH - Battery module

2320429

https://www.phoenixcontact.com/us/products/2320429

Battery module, lead AGM, VRLA technology, 24 V DC, 26 Ah, tool-free battery replacement, automatic detection, and communication with QUINT UPS-IQ



MINI-SCREW-USB-DATACABLE - Data cable

2908217

https://www.phoenixcontact.com/us/products/2908217



Used for communication between an industrial PC and Phoenix Contact devices with USB-Mini-B connection.



2320283

https://www.phoenixcontact.com/us/products/2320283

FUSE 25A/58V TAC ATO - Fuse

1021340

https://www.phoenixcontact.com/us/products/1021340



Fuse, nominal current: 25 A,

UWA 130 - Mounting adapter

2901664

https://www.phoenixcontact.com/us/products/2901664



2-piece universal wall adapter for securely mounting the device in the event of strong vibrations. The profiles that are screwed onto the side of the device are screwed directly onto the mounting surface. The universal wall adapter is attached on the left/right.



2320283

https://www.phoenixcontact.com/us/products/2320283

VS-IP20/10G-IP20/10G-94F/1 - Patch cable

1418866

https://www.phoenixcontact.com/us/products/1418866



Patch cable, $CAT6_A$, 4-pair, shielded, connection not crossed (Line), assembled at both ends with RJ45/IP20 connectors; outer sheath material: PUR; length: 1. 0 m

PLT-SEC-T3-120-FM-UT - Type 3 surge protection device

2907918

https://www.phoenixcontact.com/us/products/2907918



Type 2/3 surge protection, consisting of protective plug and base element, with integrated status indicator and remote signaling for single-phase power supply networks. Nominal voltage: 120 V AC/DC



2320283

https://www.phoenixcontact.com/us/products/2320283

PLT-SEC-T3-230-FM-UT - Type 3 surge protection device

2907919

https://www.phoenixcontact.com/us/products/2907919



Type 2/3 surge protection, consisting of protective plug and base element with screw connection. For single-phase power supply network with integrated status indicator and remote signaling. Nominal voltage: 230 V AC/DC

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