PC-1024-050-0



Advantages

Combined power supply with charging and controlling unit

Fast tripping of conventional circuit breakers

Battery modules get detected automatically

Reliable signalling when there is low remaining life expectancy of connected battery modules

Extended life expectancy through temperature controlled battery

Interface to visualise and adjust relevant data

Reliable supply of industrial PC's

3 years warranty

Applications

The uninterruptible power supply Power Compact contains an economic DC 24V/5A power supply with basic specifications for industrial computer and also a loading and controlling unit for an ideal battery management.

Standards

Uninterruptible power supply to UL 60950, UL 508

EN 60950, EN 60950 (SELV), EN 60204 (PELV)

EN 61000-6-3 (Interference emissions), EN 61000-6-2 (Interference immunity)

Approvals







UL/CSA 60950 recognised, UL508 listed, GL, EAC





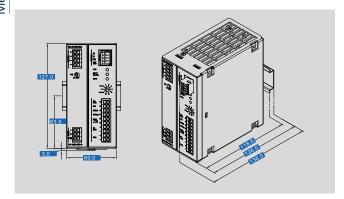
Uninterruptible power supply

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PC-1024-050-0 Type Input 100 - 240 Vac Input rated voltage 85 - 264 Vac Input voltage range (120 - 372 Vdc) data AC input derating -1.5 % / Vac < 110 Vac -1 % / Vdc < 150 Vdc DC input derating Rated frequency range 47 Hz - 63 Hz / 0 Hz Input rated current (rated load) 1.96 A / 0.95 A (100 / 230 Vac) < 30 A, NTC Starting current limiter Switch-on time < 200 ms Input fuse internal 4 A (time-lag) 6 A, 10 A, 16 A, charakteristic B, C Recommended back-up fuse (circuit breaker) Transient surge voltage protection Varistor Output Output rated current 5.00 A Tripping of LS circuit breakers max. B4 Only with redundancy module, max. 5 A output Parallel connection current Serial operation Yes Ripple factor typ. 50 mVss Output rated voltage 24 Vdc typ. 38 Vdc Over-voltage-protection Rated output voltage (normal mode) 24 Vdc 24 Vdc Rated output voltage (buffer mode) 23 - 28.5 Vdc Output voltage range (mains operation) Battery voltage - 0.5 V (27.5 - 19 Vdc) Output voltage range (battery operation) typ. 6.5 A, constant current Output voltage limiting (mains operation) typ. 5.5 A Output voltage limiting (battery operation) 22 W (100 Vac) Power losses in mains operation (nominal load, battery charged) 17W (230 Vac) Max. power losses in battery operation (stand-by/ 3.2 W / 5.2 W nominal load) Storage medium Remote shutdown 1, 2, 3, 5, 10, 15, 20 Min, PC-Mode, Maximum, Buffer period Accumulator, external Type of the storage medium Reverse connection protection Yes, (fuse in battery module trips) 3-stage charging process (IUoU charging Charging characteristic characteristic) Charging current max. 0.6 A 26...29,5 V temperature-controlled, adjustable via End-of-charge voltage interface 1 per minute Check for presence of battery 6 per hour Check remaining battery life Deep discharge protection 19 Vdc Warning threshold, battery almost flat 20.4 Vdc 12 - 12 Ah Recommended battery modules Parallel connection of battery modules Yes, max. 3 Signaling Status indicator 3 LED green/yellow/red max. 30 V / 200 mA current limiting (in Isolated group input 3 seperate signal outputs) Relay, kill switch type, max. 30 V, function Alarm/Bat.Mode/Bat.Charge signal output adjustable via interface **Approvals** cURus, cULus, GL, EAC Approvals Environment Ambient temperature -25 °C to +70 °C -25 °C to +85 °C Storage temperature -3 %/K > +50 °C Derating Mounting position horizontal for standard rail DIN TS35 natural convection Type of cooling Required minimum spacing (left/right) 0 mmRequired minimum spacing (over/under) 50 mm Safety and protection IP 20

PC-1024-050-0 Type Terminal and mounting Terminals signalling (direct plug-in technology Pushmax 2.5 mm² max 2,5 mm² Terminals input (direct plug-in technology Push-in) data max 2,5 mm² Terminals output (direct plug-in technology Push-in) Terminals storage medium direct plug-in technology max. 2,5 mm² Mechanical Measures and weights

Weight 0.8 kg



I, with PE connection

Protection index Safety class

Order numbers

Resistance to reverse feed max.