Single-phase, primary switched mode power supply, Economy

PVSE 230/24-3B - no longer available



Picture shows PVSE 230/24-10

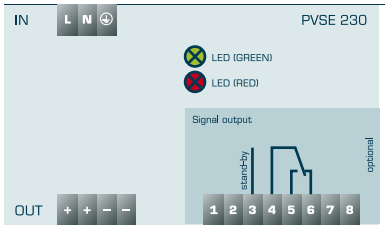
Advantages

- Stabilised and adjustable output voltage
- Up to 200 % Real Power Boost for 4 seconds
- Top Boost to trip conventional circuit breakers
- DC OK signalling
- Stand-by-input
- Parallel connection option
- Service-friendly spring-loaded connector system
- Optional with active inrush current limiter

Applications

Primary switched mode power supply with massive power reserves focussing on the key task of power supply.

Sample application



Standards

Primary switched mode power supply
to UL 60950, UL 508

Safety:
EN 61558-2-16, EN 60950-1

EMC:
EN 61204-3

Approvals

UL/CSA 60950 recognised, UL 508 listed

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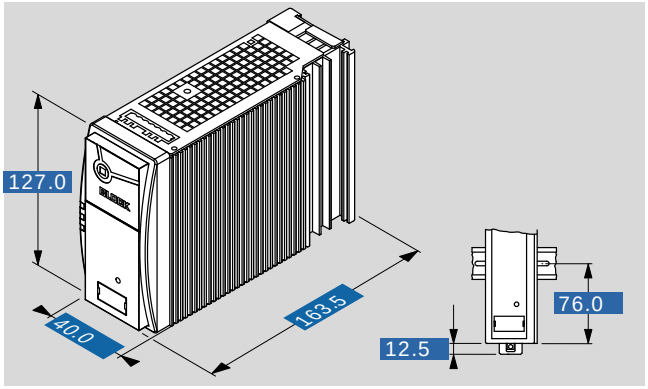
Single-phase, primary switched mode power supply, Economy
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Electrical data

Type	PVSE 230/24-3B - no longer available
Input	
Input rated voltage	100 - 240 Vac
Input rated current (rated load)	0.86 / 0.51 A (110 / 230 Vac)
Input voltage range	85 - 264 Vac (120 - 373 Vdc)
Rated frequency range	44 Hz - 66 Hz / 0 Hz
Starting current limiter	<5 A, active
Input fuse internal	2 A (slow-blow)
Recommended back-up fuse (circuit breaker)	6 A, 10 A, 16 A, characteristics B, C
Mains buffering (rated load)	10 / 70 ms (110 / 230 Vac)
Transient surge voltage protection	Varistor
Output	
Output rated voltage	24 Vdc
Output voltage range	22 - 29.5 Vdc
Resistance to reverse feed max.	35 Vdc
Output rated current	3.00 A
Parallel connection	Yes, for increased power
Power Boost	6.5 A / 4 s (5.8 A / 8 s)
Overload behaviour	Constant current
max. Power loss idling/nominal load	3.0 / 8.8 W
Serial operation	Yes
Efficiency	typ. 87.7 %
Ripple factor	typ. 70 mVss
Top Boost	14 A / 25 ms
Signaling	
Stand-by-input	Yes
Power Good (DC OK)	LED green, LED red
Potential-free signal contact	Yes
Approvals	
Approvals	cURus, cULus
Environment	
Storage temperature	-25 °C to +85 °C
Derating	-3 %/K > +50 °C, -5 %/Vac < 95 Vac
Ambient temperature	-10 °C to +70 °C
Safety and protection	
Safety class	I, with PE connection
Protection index	IP 20
Accessory	
Connector for signalling	PV-CON (optional)
Side DIN rail mounting	PV-TS35M (optional)
Direct screw fastening plate for lateral mounting	PV-WB2 (optional)
Order numbers	
Order Number	**PVSE 230/24-3B - no longer available**

Mechanical data

Type	PVSE 230/24-3B - no longer available
Terminal and mounting	
Terminals input, (spring clamp terminal, pluggable)	max. 2.5 mm²
Terminals output, (spring clamp terminal, pluggable)	max. 2.5 mm²
Terminals signalling, (spring clamp terminal, pluggable)	max. 0.5 mm²
Mounting position	vertical
Fixing method	DIN Rail system TS35
Measures and weights	
Weight	0.8 kg



Subject to change.