Three-phase, primary switched mode power supply, Economy

PVSE 400/48-20



Picture shows PVSE 400/24-10

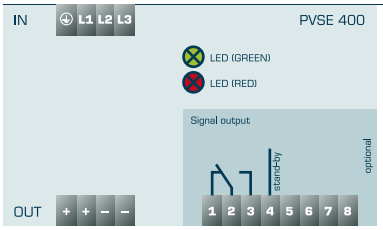
Advantages

- Stabilized and adjustable output voltage
- Up to 200 % Real Power Boost for 4 seconds
- Top Boost to trip conventional circuit breakers
- DC OK indicator
- Parallel connection option
- Service-friendly spring-loaded connector system
- Can be supplied with isolated DC OK signalling function
- Panel installation on mounting rails

Applications

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

Sample application



Approvals

UL/CSA 60950 recognised, UL 508 listed



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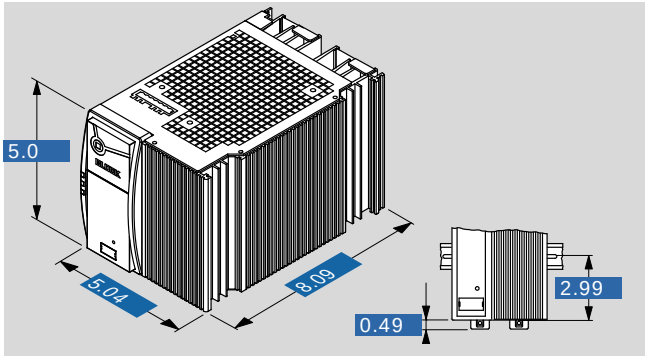
Electrical data

Type	PVSE 400/48-20
Input	
Input rated voltage	3 x 400 - 500 Vac
Input voltage range	340 - 550 Vac (480 - 780 Vdc)
Input rated current (rated load)	2 A (3 x 340 Vac)
Rated frequency range	44 Hz - 66 Hz / 0 Hz
Starting current limiter	<30 A, NTC
Input fuse internal	3 x 6.3 A (slow-blow)
Recommended back-up fuse (circuit breaker)	10 A, 16 A, characteristics B, C
Harmonic correction	passive
Mains buffering (rated load)	15.6 / 42.9 ms (400 / 500 Vac)
Transient surge voltage protection	Varistor
Output	
Output rated voltage	48 Vdc
Output voltage range	37 - 51 Vdc
Resistance to reverse feed max.	63 Vdc
Output rated current	20 A
Parallel connection	Yes
Power Boost	30 A / 4 s (25 A / 8 s)
Overload behaviour	Constant current
max. Power loss idling/nominal load	5.2 / 59.2 W
Serial operation	Yes
Efficiency	typ. 94.4 %
Ripple factor	typ. 70 mVss
Top Boost	80 A / 50 ms
Signaling	
Power Good (DC OK)	LED green, LED red
Potential-free signal contact	Yes
Stand-by-input	Yes
Approvals	
Approvals	cURus, cULus
Environment	
Ambient temperature	-13 °F to 158° F
Storage temperature	-13 °F to +185 °F
Derating	-3 %/K > +122 °F
Safety and protection	
Protection index	IP 20
Safety class	I, with PE connection
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 400/48-20**

Mechanical data

Type	PVSE 400/48-20
Terminal and mounting	
Terminals input, (spring clamp terminal, pluggable)	max. 2.5 mm²
Terminals output, (spring clamp terminal, pluggable)	max. 10 mm²
Terminals signalling, (spring clamp terminal, pluggable)	max. 0.5 mm²
Mounting position	vertical
Fixing method	DIN Rail system TS35
Measures and weights	
Weight	6.68 lbs

Dimensions in inch



Subject to change.