

Three phase, primary switched mode power supply, Basic

PVSB 400/24-40B



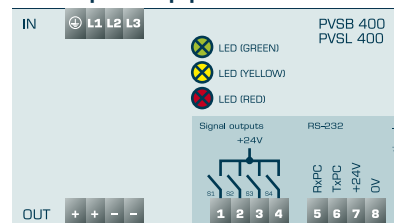
Advantages

LCD
Output current and voltage monitoring
RS-232 interface
Stabilised and digitally adjustable output voltage
Up to 200 % real power boost for 4 seconds
Top boost to trip miniature circuit breakers
3 LEDs and active signal outputs to indicate operating status
Parallel connection option
Service-friendly spring-loaded connector system
Can be supplied with active inrush current limiting option
Panel installation on mounting rails

Applications

Primary switch mode power supply with high power reserves for all automation requirements with a variety of parameter setting and display functions, including output current and output voltage monitoring.

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, UL508 listed



Three phase, primary switched mode power supply, Basic **PVSB 400/24-40B**

Type	PVSB 400/24-40B
Electrical data	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 <2 x rated current, active
	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
	Transient surge voltage protection Varistor
	Mains buffering 15.6 / 42.9 ms (400 / 500 Vac)
	Output
	Output rated voltage 24 Vdc $\pm 1\%$
	Output voltage range 22.8 - 28.8 Vdc
	Resistance to reverse feed max. 35 Vdc
	Output rated current 40.00 A
	Parallel connection Yes
	Power Boost 60 A / 4 s (50 A / 8 s)
	Overload behaviour Constant current or fuse
	Efficiency typ. 93.1 %
	Ripple factor typ. 70 mVss
	Top Boost 100 A / 50 ms
	Signaling
	Power Good (DC OK) LED green, LED red, LED yellow
	Potential free signal contact No
	Active signal outputs 4 x 24 Vdc, 2 configurable
	Stand-by-input No
	Display, interface Yes, RS 232
	Approvals
	Approvals cURus, cULus
	Environment
	Ambient temperature -25° C to +55° C
	Storage temperature -25° C to +85° C
	Derating -5 %/K > +45° C
	Safety and protection
	Protection index IP 20
	Safety class I, with PE connection
	Accessory
	Connector for signalling PV-CON (optional)
	Adapter cable for interface PV-KOK2 (optional)
	Side DIN Rail mounting PV-TS35M (optional)
	Direct screw fastening plate for lateral mounting PV-WB2 (optional)
	Order numbers
	Order Number PVSB 400/24-40B

Type	PVSB 400/24-40B
Mechanical data	Terminal and mounting
	Connections input, (spring clamp terminal, pluggable) max. 2.5 mm ²
	Connections output, (spring clamp terminal, pluggable) max. 10 mm ²
	Connections signalling, (spring clamp terminal, pluggable) max. 0.5 mm ²
	Mounting position vertical
	Fixing method DIN Rail system TH 35
	Measures and weights
	Weight 3.03 kg

