Three-phase, primary switched mode power supply, Line

PVSL 400/24-40



Picture shows PVSL 400/24-20

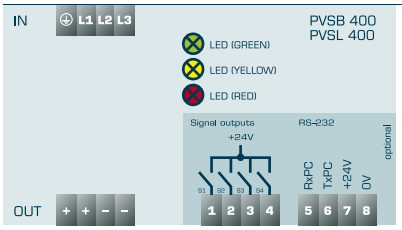
Advantages

- Power input monitoring
- LCD
- Output current and output voltage monitoring
- RS-232 interface
- Stabilized and adjustable output voltage
- Up to 200 % real power boost for 4 seconds
- Top Boost to trip conventional circuit breakers
- 3 LEDs and active signal outputs to indicate operating status
- Parallel connection option
- Service-friendly spring-loaded connector system
- Panel installation on mounting rails

Applications

Primary switched 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. Intelligent additional functions for the input power to replace a variety of external devices such as diagnostic Voltmeter, phase meter, hour meter.

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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PVSL 400/24-40

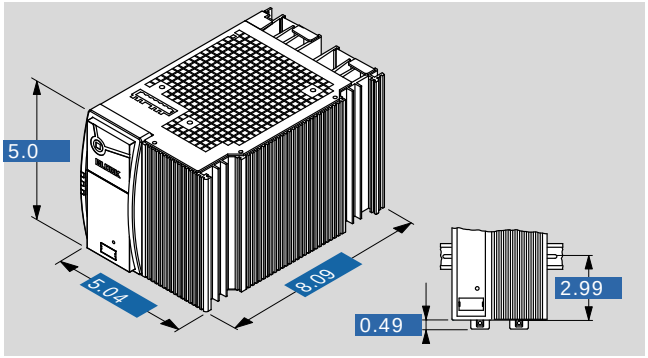
Electrical data

Type	PVSL 400/24-40
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 3.2 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	24 Vdc
Output voltage range	22.8 - 28.8 Vdc
Resistance to reverse feed max.	35 Vdc
Output rated current	40 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
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	-13 °F to +131 °F
Storage temperature	-13 °F to +185 °F
Derating	-5 %/K > +122 °F
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	**PVSL 400/24-40**

Mechanical data

Type	PVSL 400/24-40
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.