

## Technical Information

Product Name  
**EPNSV 24006**



Description	EPNSV 24006
	The EPNSV24006 offers an adjustable DC output voltage and operates in a wide temperature range. 24VDC/630mA A very narrow with international wide range input, for distribution board installation / 45 mm panel cut-out.

Characteristics	
	Power supply unit for DIN rail mounting
	High profitability
	International AC input range
	Compact size, low weight
	Ultra-slim design
	Inrush current limitation
	Short-circuit-proof, overload-proof and overvoltage-protected
	Possible areas of application: Building automation, household and industrial control systems.

Input	
Input voltage range	90-264VAC, 127-370VDC
Terminal assignment	N = Neutral conductor L = Mains connection phase
Connection cross-section	Max. 2.5mm <sup>2</sup>
Frequency range	47-63Hz
Efficiency / Typ.	86%
Input current	0.5A/115VAC, 0.25A/230VAC
Maximum inrush current (cold start)	25A/115VAC, 45A/230VAC

Output	
Nominal output voltage	24V
Rated current	0.63A
Output voltage range	21.6-29VDC
Rated power	15W
Terminal assignment	- = Output negative pole (ground) + = Output positive pole (+24VDC)
Connection cross-section	Screw terminals maximum 2.5mm <sup>2</sup>
Hedging	Short-circuit protection is integrated Function - Constant current limitation to 105-160% max. Rated current at rated voltage then voltage drops continuously Automatic reversal at normal load.
Ripple & Noise (max.)	150mVp-p
Output voltage tolerance	±2% max.



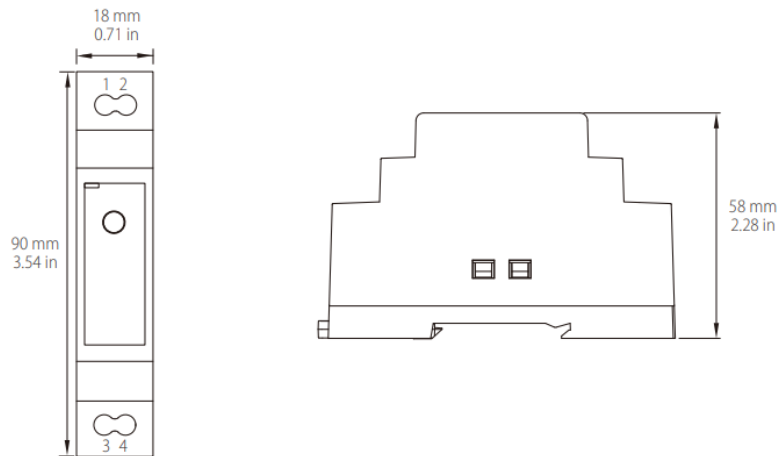
Mains regulation	±1% max.
Load regulation	±1% max.
Switch-on time delay, rise time	2000ms, 80ms/230VAC, 2000ms, 80ms/115VAC at full load
Mains failure bridging time	30ms/230VAC, 12ms/115VAC at full load

Protection	
Overload	110-145% nominal output power. Hiccup mode: If output voltage <50%, the power supply unit recovers automatically after the fault has been rectified. Constant current limiting: Within 50-100% of the nominal output voltage, the power supply unit recovers automatically after the fault has been rectified.
Overvoltage	30-36V Protection class: Output voltage cut-off, clamping by zener diode

Environment	
Operating temperature and humidity	-20 to 70°C, 20-90% relative humidity non-condensing
Storage temperature and humidity	-40 to 85°C, 10-95% relative humidity non-condensing
Temperature coefficient	± 0.03%/°C (0-50°C) relative humidity non-condensing
Vibration	10-500Hz, 2G 10min/1 cycle, period for 60min along the X, Y and Z axes Mounting: Compliance with IEC60068-2-6
Application height	2000m
Overvoltage category	III, in accordance with EN61558, EN50178, EN60664-1, EN62477-1, operating altitude up to 2000 m

Safety/EMC	
Safety standards	UL62368-1, BS EN/EN62368-1, IEC62368-1, EN62368-1, EN50178, UL508, EN61558-2-16, BSMI CNS14336 approved
Dielectric strength / test voltage	Input-output: 3kVAC
Isolation Resistance	Input-output: 100M Ohms/500VDC/25°C/70% relative humidity
EMC	BS EN/EN 55032 class B, BS EN/EN IEC 61000-3-2,3
EMC immunity	BS EN/EN61000-4-2,3,4,5,6,8,11
Interference immunity	EN61000-4-2,3,4,5,6,8,11, EN55024, EN61000-6-2, EN61204-3, EN55035
RoHS conformity	2011/65/EU - ROHS
PFOS conformity	2006/122/EC - PFOS

### Mechanical Data



Dimensions W x H x D in mm	18 x 90 x 58
Weight in kg	0.078

