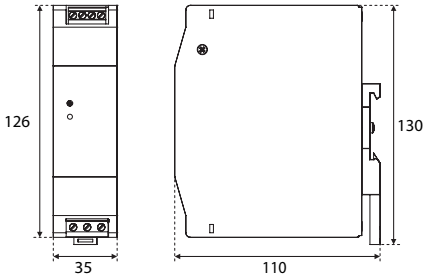
Switching Power Supply

Technical data

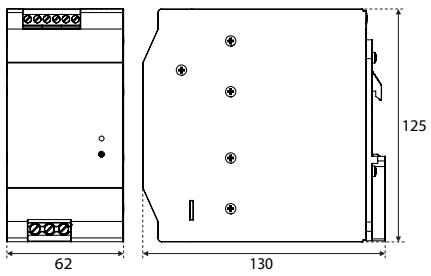
		PS-48-24	PS-72-24	PS-120-24	PS-240-24	PS-480-24
Input						
Supply voltage AC	V AC	100 - 240				
Nominal frequency	Hz	50 - 60 (range: 47 - 63)				
Supply voltage DC	V DC	140 - 340				
Input current at 230VAC	A	0,4	0,97	0,6	1,4	2,4
In-rush current at 230VAC	A	15	20	25	30	50
Input overload protection T-type fuse (internal)	A	2	3,15	5	5	6,3
Power Factor at 230VAC	-	0,5	0,5	0,96	0,92	0,97
Output						
Output adjustable voltage DC	V DC	24 - 28 (±2%)				
Max. continuos output current	A	2	3	5	10	20
Max. continuos output power	W	45	75	120	240	480
Ripple BW 20MHz at max. load	mV	120	120	80	100	150
Hold-up time at rated V AC and max. load	ms	20				
Rise time at rated V AC	ms	200			60	
Parallel connection	-	×				✓
Output overvoltage protection min. % of Vout	%	120 - 135	120 - 135	110 - 140	120 - 150	110 - 140
Output overload protection % of max. load	%	110 - 150				
Power good relay	%	×	×	✓	✓	✓
General						
Efficiency at rated V AC	%	88,5	89,5	92	93	93
Working temperature - free convection	°C	-25 ... +70				
De-rating 2,5% In/°C	°C	> 55				
Storage temperature	°C	-40 ... +85				
Electrical Insulation	kV	3 (IN/OUT) 1,5 (IN/⏚) 0,5 (OUT/⏚)				
Over-temperature protection	-	✓				
Protection degree	IP	20				
Relative Humidity w/o cond.	RH%	90				
Altitude up to	m	2000				
Dimensions	mm	130x35x110	130x35x110	130x40x120	130x62x125	138x86x125

Dimensions

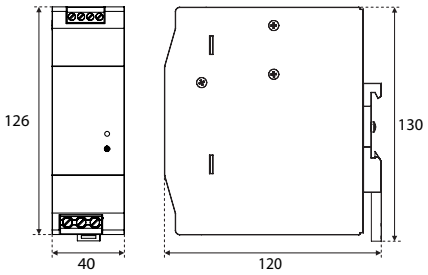
PS-48-24 & PS-72-24



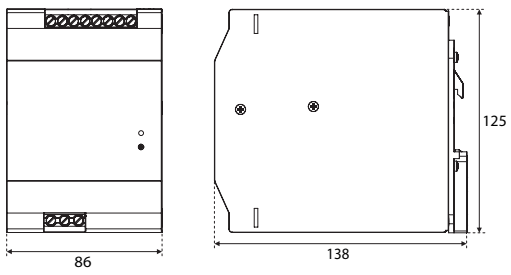
PS-240-24



PS-120-24

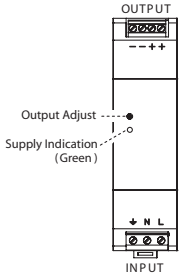


PS-480-24

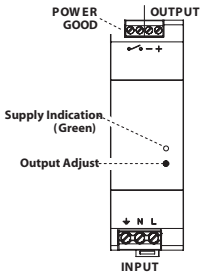


Description

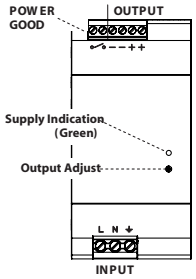
PS-48-24 & PS-72-24



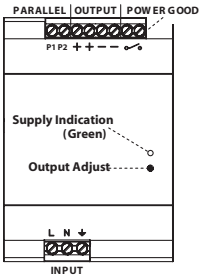
PS-120-24



PS-240-24

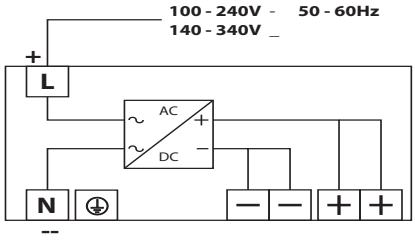


PS-480-24

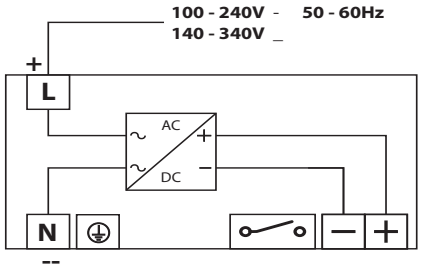


Connection

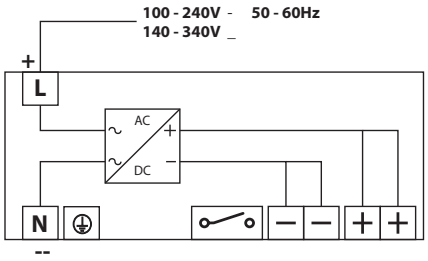
PS-48-24 & PS-72-24



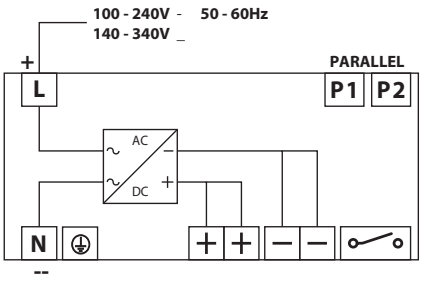
PS-120-24



PS-240-24



PS-480-24



POWER GOOD:
Relay closed: power supply (Output) is stable and within the tolerance limits.
Relay opened: power supply (Output) out of tolerance limits. Power cut off – to prevent damages on sensitive loads.

PARALLEL P1 P2:
Parallel connection of up to 10 power supplies. Connect P1s with P1s, P2s with P2s of each power supply wired in parallel (+ and – outputs in parallel). Each power supply unit must have connection to supply (Input)