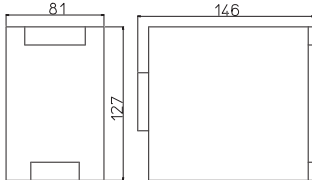


Power supply · regulated, 720 W, 3-phase

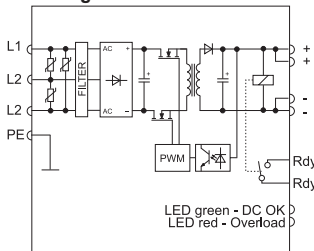
Switchmode power supply, PFC, 3-phase
 Input: Wide range input AC 340 - 550 V
 Output: 24 V, adjustable



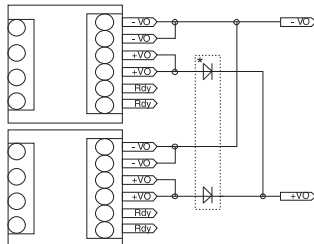
Dimensions



PIN assignment



Parallel/redundant mode



* Redundant Module 722999

Description	Part-No.	Type	PU	
Screw terminal				
Output voltage/current	DC 24 V/ 30 A	722802	CPSB3-720-24	1
	DC 48 V/ 15 A	722807	CPSB3-720-48	1

Input	CPSB3-720-24	CPSB3-720-48
Nominal voltage	3× AC 400–500 V	
Operation voltage range	3× AC 340–550 V	
Line frequency	47 – 63 Hz	
Rated current	U _i = AC 400 V: 1.9 A / U _i = AC 500 V: 1.7 A	
Inrush current	<50 A	
Internal fuse	–	
External fuse	Automatic: 3 × B 16 A, C 10 A (required)	
Power Factor Correction P.F.C.	>0.65	

Output	CPSB3-720-24	CPSB3-720-48
Rated voltage output	DC 24 V	DC 48 V
Rated current output	30 A	15 A
Max. output current	32 A	16.5 A
Short-circuit current	45 A (>80 A Hiccup)	22.5 A (>45 A Hiccup)
Voltage trim range	24/28 V	45/55 V
Accuracy	–	
Line regulation	–	
Load regulation	<1 %	
Rise time	–	
Temperature coefficient	–	
Ripple & Noise	<150 mV pp	<100 mV pp
Hold up time	>15 ms (AC 400 V)	
Status indication DC ON LED green	≥21.6 V	≥43.2 V
Status indication DC LOW LED red	≤21.6 V	≤43.2 V
Parallel/redundant operation	max. 2 devices / via external diodes	
Efficiency	>92 %	>94 %
Low power loss	<63 W	<46 W
Rated over load protection	> 90°C, auto-reset	
Over voltage protection	<33 V	<60 V
Short circuit characteristics	Hiccup-mode / Constant current	

General	
Switching frequency	approx. 70 – 110 kHz
Insulation voltage input/output	AC 3.0 kV _{eff}
Insulation voltage input / ground	AC 2.0 kV _{eff}
Insulation voltage output / ground	AC 1.0 kV _{eff}
Insulation resistance at DC 500 V	– MΩ
Operation temperature range	–20 °C – 60 °C
Derating	–
Storage temperature range	–25 °C – 85 °C
M.T.B.F.	>500000 h to SN29500 / >150000 h to MIL standard HDBK 217F
Relative humidity	20–90% RH, non-condensing
Dimensions (w × h × d) in mm	81.0 × 127.0 × 146.0
Cooling	Natural air cooling, forced cooling >50°C, 50 mm distance above/below
Housing material	Aluminum
Shock resistance	30 g 6 ms, 20 g 11 ms, 3 shocks / direction, 18 shocks in total, IEC60068-2-27:2008
Vibration resistance	5 – 17.8 Hz: ±1.6 mm, 17.8 – 500 Hz: 2 g 2 hours / axes X,Y,Z, IEC 60068-2-6:2007
Field installation	rail TS 35 (EN 50022)
Application height	– m
Installation position	vertical
Protection class	IP 20 (IEC529, EN60529)
IP rating	I (SELV, PELV)
Overvoltage category	II
Pollution degree	2
Weight (kg/piece)	1.200
Termination	Screw terminal: 0.2–6.0 mm ² , max. 0.62 Nm
Approvals	UL, cUL: UL 508, IEC 950, EN 60950 CE: EN 61000-4-2/3/4/5/6/11, EN 61000-6-2, EN 601000-6-4, EN 50178, EN 61558, EN 50081-1, EN 50082-2, EN 55022 Class B

Monitoring	
DC ON Control (Rdy)	Normally open
Switching voltage	AC 300 V / DC 150 V
Switching current	AC/DC 1 A
Switching capacity	300 VA / 30 W
Insulation voltage	AC 500 V