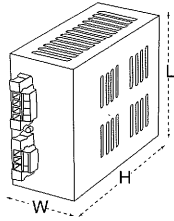


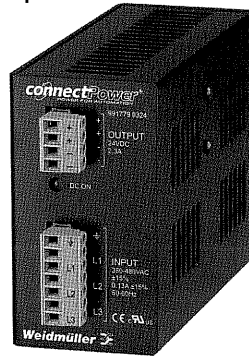
# Three Phase Input Supplies – Advanced Features Products



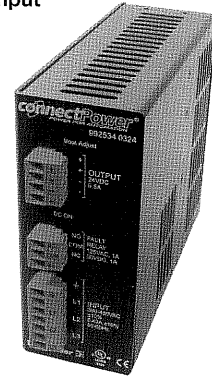
### Approvals:



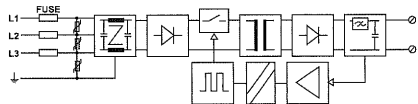
**CP SNT 55W 2.3A**  
3 Phase Input



**CP SNT 160W 6.5A**  
3 Phase Input



### Diagram/Schematic Circuit Diagram



Ordering Data	
Output voltage/maximum current	

Type	Order No.
CP SNT 55W 2.3A 3 Phase	9917790324

Type	Order No.
CP SNT 160W 6.5A 3 Phase	9925340324

Technical Data		
Input voltage	Minimum	306 VAC
	Typical	360 - 480 VAC
	Maximum	550 VAC
Input current	at 360 VAC	120 mA / Phase
	at 230 VAC	100 mA / Phase
Input protection	Fuse	3 x 1 A slow fuse (internal)
	Inrush Current	Thermistor
	Overvoltage	Varistor
Switching frequency		100 kHz
Efficiency at maximum load		85%
Maximum ripple		0.1% RMS
Regulation	Load (10-100% load)	1.0%
	at Input voltage	0.8%
Fault relay		10A / 180 ms typ.
Output surge		Overcurrent shutdown with automatic restart plus thermal shutdown/short circuit
Overload protection		10,000 µF
Maximum capacity at output		120 ms
Parallel connection for load sharing		120 ms
Hold time	at 360 VAC	-40°C...+85°C (-40°F...+185°F)
	(Maximum output current following input loss)	at 480 VAC
Temperature	Storage	Derating: 10% at 60°C (140°F)
	Operating	20...85% RH non-condensing
Humidity	Operating	20...90% RH non-condensing
	Storage	20...90% RH
Galvanic isolation	Input-output	3 kV RMS
	Input/output to mounting rail	3 kV RMS
	Input to ground	1.5 kV RMS
	Output to ground	500 V RMS
Wire size		0.1...4.0 mm <sup>2</sup> (26...12 AWG)
Dimensions (L x W x H)		108 x 60 x 168 mm (4.25 x 2.36 x 6.61 in.)
Weight		526 g (1.16 lbs.)
Mounts on mounting rail		TS 35 DIN rail, Chassis

Technical Data		
Input voltage	Minimum	342 VAC
	Typical	480 VAC
	Maximum	528 VAC
Input current	at 360 VAC	0.36 A / Phase
	at 230 VAC	0.34 A / Phase
Input protection	Fuse	3 x 12 A slow fuse (internal)
	Inrush Current	Thermistor
	Overvoltage	Varistor
Switching frequency		100 kHz PWM
Efficiency at maximum load		83%
Maximum ripple		0.2% RMS
Regulation	Load (10-100% load)	2%
	at Input voltage	0.5%
Fault relay		Changeover contact, 30 VDC / 125 VAC @ 1 A max.
Output surge		13A / 1 sec.
Overload protection		Overcurrent shutdown with automatic restart plus thermal shutdown/short circuit
Maximum capacity at output		10,000 µF
Parallel connection for load sharing		up to 3 devices (passive current division)
Hold time	at 360 VAC	50 ms
	(Maximum output current following input loss)	at 480 VAC
Temperature	Storage	-40°C...+85°C (-40°F...+185°F)
	Operating	Derating: 10% at 60°C (140°F)
Humidity	Operating	20...85% RH non-condensing
	Storage	20...90% RH
Galvanic isolation	Input-output	3 kV RMS
	Input/output to mounting rail	3 kV RMS
	Input to ground	1.5 kV RMS
	Output to ground	500 V RMS
Wire size		0.1...4.0 mm <sup>2</sup> (26...12 AWG)
Dimensions (L x W x H)		138.2 x 58.4 x 177.8 mm (5.44 x 2.3 x 7 in.)
Weight		993 g (2.2 lbs.)
Mounts on mounting rail		TS 35 DIN rail, Chassis

Approvals/Certifications	
	CSA, cULus 508 Listed, CE

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	CSA, cULus 508 Listed, CE

Accessories	
Chassis Mounting Kit	Order No. 7920560000
L Bracket Mounting Kit – Panelmount	7940000543
Side mount Bracket – DIN rail	7940000542

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Chassis Mounting Kit	Order No. 7920560000
L Bracket Mounting Kit – Panelmount	7940000543
Side mount Bracket – DIN rail	7940000542