

# Automatic Phase Selector – APS-120Vac-20A@60Hz

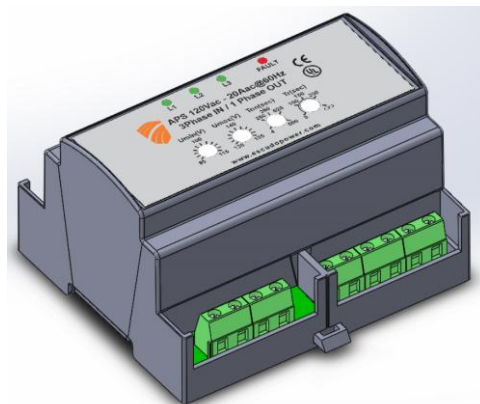
## Datasheet

Catalog Item Number 100-006-PL-01



### FEATURES

- Automatic Phase Selector
- Supplies a single phase load
- Chooses the highest quality phase of the 3 input phases
- Good up to 20 Aac load
- Input connections: 3 phase / 4 wires
- Output connections: 1 phase / 2 wires



### ELECTRICAL

Characteristics	Value			Units	Comments
	Min	Typical	Max		
Nominal Phase Voltage	90	120	135	Vac	RMS voltage
Functional Phase Voltage	85*	120	155	Vac	RMS voltage
Line Frequency	57	60	63	Hz	North American Model
Hi Trip Voltage Threshold Range	130	-	155	Vac	RMS voltage; adjustable through a potentiometer; default value = 155Vac
Low Trip Voltage Threshold Range	85	-	115	Vac	RMS voltage; adjustable through a potentiometer; default value = 85Vac
Reset Delay (Ton)	4	10	600	sec	
Return Delay (Tr)	6	100	200	sec	Reset Delay pot set to max is $\infty$ time
Voltage Hysteresis	3		5	V	
Accuracy		+/-3		V	

\*Note: APS 120Vac-20A starts up at 85 Vac input voltage level, but it works as low as 77Vac, after start-up.

### ENVIRONMENTAL

Characteristics	Value			Units	Comments
	Min	Typical	Max		
Operating Temperature	-40	-	+55	C	
Storage Temperature	-45	-	+70	C	
Humidity	25	60	85	%	non -condensing
Device cooling		-			Not required
Power dissipation	-	200	250	mW	

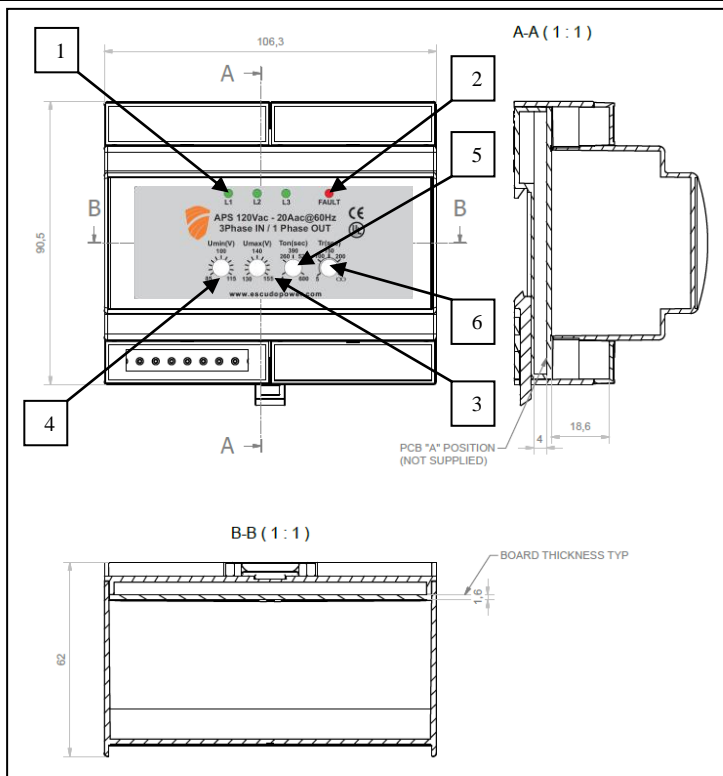
### MECHANICAL

Characteristics	Value			Units	Comments
	Min	Typical	Max		
Length		4.185		inch	106.30mm
Width		3.562		inch	90.50mm
Height		2.441		inch	62.00m
Weight		200		g	
Mounting				35mm	DIN Rail mount
Input Wires AWG	12	-	11	AWG	Solid or stranded wire
Output Wires AWG	12	-	11	AWG	Solid or stranded wire
3D Model					File: 200-023-ASY-01.pdf

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### LEGEND (all dimensions in mm)

1. GREEN LEDs indicating the active phase;
2. RED LED indicating fault;
3. Control knob for Umax threshold setting, Umax;
4. Control knob for Umin threshold setting, Umin;
5. Control for auto reclosing time delay, Ton;
6. Control for time delay to return to the priority phase, Tr;

### CERTIFICATION and COMPLIANCE

- FCC Part 15B
- IEC 61000-2-4 – EMC Compatibility
- Enclosure Protection – IP20
- Flammability rating – UL94V0

### OTHER TECHNICAL DETAILS

- Installation

