

Automatic Phase Selector – APS-120Vac-16A@60Hz

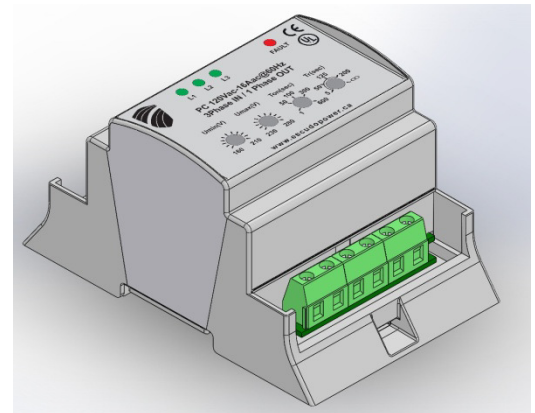
Datasheet

Catalog Item Number 100-004-PL-01



FEATURES

- Automatic Phase Selector
- Supplies a single phase load
- Chooses the highest quality phase of the 3 input phases
- Good up to 16 Aac
- 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	127	-	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 ∞ time
Voltage Hysteresis	3		5	V	
Accuracy		+/-3		V	

*Note: APS 120Vac-16A 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	-35	-	+55	C	
Storage Temperature	-45	-	+70	C	
Humidity	25	60	85	%	non -condensing
Device cooling		-			Not required
Power dissipation	-	20	100	mW	

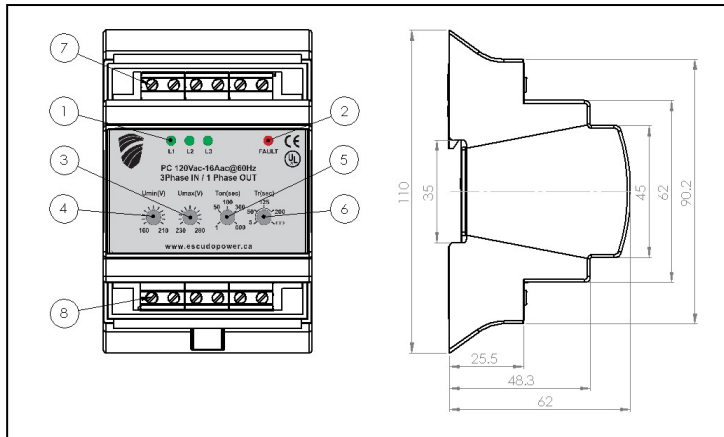
MECHANICAL

Characteristics	Value			Units	Comments
	Min	Typical	Max		
Length		2.807		inch	71.30mm
Width		4.331		inch	110.00mm
Height		2.441		inch	62.00m
Weight		200		g	
Mounting					35mm DIN Rail mount
Input Wires AWG	14	-	12	AWG	Solid or stranded wire
Output Wires AWG	14	-	12	AWG	Solid or stranded wire
3D Model					File: 200-021-ASY-01.pdf

Automatic Phase Selector – APS-120Vac-16A@60Hz

Datasheet

Catalog Item Number 100-004-PL-01



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;
7. INPUT connection terminals;
8. OUITPUT connection terminals.

CERTIFICATION and COMPLIANCE

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

OTHER TECHNICAL DETAILS

- Installation

