

ECS 112PS FOR SPLIT PHASE INDUCTION MOTORS

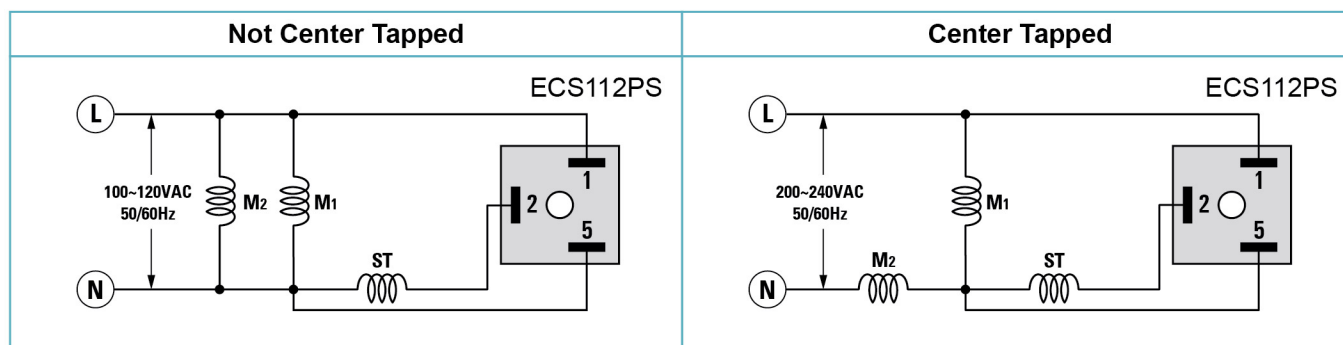
MODEL CHART

Switching Part	Motor Ratings			
	Hp	Aux. Coil Rating Volt	Pole	Frequency
T1235-600G	0.12~1.0Hp	100~120 VAC	2, 4, 6	50/60Hz

FUNCTION SPECIFICATION (TYPICAL RATINGS OTHER THAN SPECIFIED)

Parameter		ECS112PS	Unit
Initial switch-on delay time	60Hz	16	ms
	50Hz	20	ms
Max. starting coil current for 5.0 sec, T (case)=25°C		60	A
Non repetitive peak on-state current, a half cycle, 25°C	60Hz	126	A
	50Hz	120	A
Forced switch-off locked rotor time		10.8	sec
Min. line voltage, not center tapped auxiliary coil		80	V
Max. line voltage, not center tapped auxiliary coil		130	V
Dielectric strength, between case and pins combined		>2500	VDC
Insulation resistance, between case and pins combined		>7	MΩ
Max. ambient temperature		60	°C

TYPICAL WIRING AND CONNECTIONS



M1, M2-Main Coils, ST-Starting Coil

112PS	Type	Pin 1	Pin 2	Pin 5
Split Phase Motors	3 Pin	Connect to the power line – no capacitor in the circuit.	Connect to one end of auxiliary (ST) coil.	Connect to the other end of auxiliary (ST) coil which is common to the main coil.

CERTIFICATION



IEC/EN 60730-1 (Automatic Electrical Controls for Household and similar use)
IEC/EN 607630-2-10 (Particular Requirements for Motor-Starting Relays)