

# Minicon Plus

## Easy Operation



**TECO**  
Westinghouse



**IP65**

**Cost Efficient**

**EMI Filter Built-in**

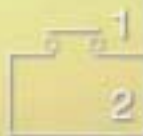
**Compact Size**

**DIN Rail Mounting Option**



**IP65**

L1  
1 φ 220 V  
L2



Output

10KΩ

0~10V



**Minicon Plus Series**

# Keypad can not be pulled out.

CE

# Model Specification

**Minicon**  
**Plus**  
*Easy Operation*

Model Minicon Plus	2P2	2P5	201	202	203
Rated Motor Power kW	0.2	0.4	0.75	1.5	2.2
Rated Motor HP	1/4	1/2	1	2	3
Input Current Amps	3.0	5.2	9.4	16.6/9.4	23.2/13
Rated Output Current Amps	1.4	2.3	4.2	7.5	10.5
Rated Capacity KVA	0.53	0.88	1.6	2.9	4
Input Voltage	1 $\phi$ 200-240v 50/60 HZ			1/3 $\phi$ 200-240v 50/60HZ	
Output Voltage	3 $\phi$ 200-240V				
Input Signal Type	PNP type (SOURCE) input (EXTERNAL DC24V allowed)				
Control Method	Sinusoidal wave PWM Control				
Frequency Control	Frequency Range	1-120 Hz *1			
	Resolution	Digital: 01 Hz (1-99-9Hz): 1Hz (100-200Hz): Analogue: 1Hz/60Hz			
	Keypad Setting	Directly adjusted   buttons			
	Display	Three digital LED display frequency/inverter parameter, fault record/program version			
	External Signal Setting	0-10V, 4-20mA, 0-20mA			
	Other Function	Frequency upper and lower limit			
General Control	Carrier Frequency	1-16KHz *1			
	AccelDecel time	0.1 - 999 sec			
	V/F Pattern	6 Patterns			
	Torque Control	Torque boost level adjustable			
	Multi-Function input	2 points for multi speed			
	Multi-Function output	1 $\alpha$ Relay for Fault/Running/Frequency agreed function			
	Braking Torque	20%	20% -1 100% braking transistor built-in		
	Other Function	Decelerate or coast to stop. Auto reset, DC braking frequency/Voltage/Time setting			
Protection Functions	Instantaneous over current	Approx 200% rated current			
	Overload	150% for 1 min			
	Over-Voltage	DC voltage > 410V		DC voltage > 800V	
	Under Voltage	DC voltage > 200V		DC voltage > 400V	
	Momentary Power Loss	0 -2 sec restart by speed search			
	Stall prevention	Accelerate / Decelerate / Constant Speed			
	Output short circuit	Electronic protection			
	Ground Fault	Electronic protection			
	Other Function	Heat sink overheat protection, current limit			
Enclosure	IP20/IP65 (MEMA4)				
Operating Temperature	-10 -50 °C				
Humidity	0-95% RH non-condensing				
Vibration	Under 1G (9.8 m/s <sup>2</sup> )				
UL	EUL50BC				
CE	EN50081-1, EN50082-2, EN50178				
Installation	Mounting screw or DIN rail (Option)				



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