

AC Input Modules

Specifications – 1746-IA4, 1746-IA8, and 1746-IA16

Attribute		Value		
		1746-IA4	1746-IA8	1746-IA16 ⁽²⁾
Voltage category		100/120V AC signal input		
Number of inputs		4	8	16
Points per common		4	8	16
Voltage, operating		85...132V AC @ 47...63 Hz		
Backplane current consumption	5V DC	0.035 A	0.050 A	0.085 A
	24V DC	0.0 A		
Signal delay, max		On = 35 ms Off = 45 ms		
Off-state voltage, max		30V AC		
Off-state current, max		2 mA		
Input current		12 mA @ 120V AC, nom		
Inrush current, max ⁽¹⁾		0.8 A		
Inrush current time duration, max		0.5 ms		

⁽¹⁾ An AC input device must be compatible with SLC 500 input circuit inrush current. A current limiting resistor can be used to limit inrush current; however, the operating characteristics of the AC input-circuit will be affected.

⁽²⁾ Removable terminal block.

Specifications – 1746-IM4, 1746-IM8, and 1746-IM16

Attribute		Value		
		1746-IM4	1746-IM8	1746-IM16 ⁽²⁾
Voltage category		200/240V AC signal input		
Number of inputs		4	8	16
Points per common		4	8	16
Voltage, operating		170...265V AC @ 47...63 Hz		
Backplane current consumption	5V DC	0.035 A	0.050 A	0.085 A
	24V DC	0.0 A		
Signal delay, max		On = 35 ms Off = 45 ms		
Off-state voltage, max		50V AC		
Off-state current, max		2 mA		