

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

Attribute	Value		
	1746-IM4	1746-IM8	1746-IM16 ⁽²⁾
Input current	12 mA @ 240V AC, nom		
Inrush current, max ⁽¹⁾	1.6 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.

DC Input Modules**Specifications – 1746-IB8, 1746-IB16, 1746-ITB16, and 1746-IC16**

Attribute	Value			
	1746-IB8	1746-IB16 ⁽¹⁾	1746-ITB16 ⁽¹⁾	1746-IC16 ⁽¹⁾⁽³⁾
Voltage category	24V DC signal input (sinking)			48V DC signal input (sinking)
Number of inputs	8	16	16	16
Points per common	8	16	16	16
Voltage, operating	10...30V DC (sinking)			30...60V DC @ 55 °C (131 °F) sinking 30...55V DC @ 60 °C (140 °F) sinking
Backplane current consumption	5V DC	0.050 A		
	24V DC	0.0 A		
Signal delay, max	On = 8 ms Off = 8 ms	On = 8 ms Off = 8 ms	On = 0.3 ms Off = 0.5 ms ⁽²⁾	On = 4 ms Off = 4 ms
Off-state voltage, max	5.0V DC			10.0V DC
Off-state current, max	1 mA	1 mA	1.5 mA	1.5 mA
Input current, nom	8 mA @ 24V DC			4.1 mA @ 48V DC

⁽¹⁾ Removable terminal block.

⁽²⁾ Use ID Code 0509 when configuring your system with programming software or the HMT.

⁽³⁾ Typical signal delay for these modules: ON = 0.1 ms, OFF = 0.25 ms @ 24V DC.