

8 120V ac FLEX I/O 8 Input Module (Cat. No. 1794-IA8)

Specifications – 120V ac Input Module Cat. No. 1794-IA8

Number of Inputs	8 (1 group of 8), non-isolated, sinking
Module Location	Cat. No. 1794-TB2, -TB3 or -TBN Terminal Base Unit
Minimum ON-state Voltage	65V ac
Minimum ON-state Current	7.1mA
Maximum OFF-state Voltage	43V ac
Maximum OFF-state Current	2.9mA
Nominal Input Impedance	10.6K ohms
Isolation	
Channel to channel	None required
Customer power to input channels	None
Customer power to block	1250V ac
Input DelayTime (maximum)	
Off to On (time from a valid input signal to recognition by block)	8.6ms, 9ms, 10ms, 12ms, 17ms, 26ms, 43ms, 78ms
On to Off (time from input dropping below valid level to recognition by block)	26.6ms, 27ms, 28ms, 30ms, 35ms, 44ms, 61ms, 96ms
	Delay time selectable thru output image table Default is 8.6ms off to on/26.6ms on to off
Flexbus Current (maximum)	30mA

Specifications continued on next page.

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Power Dissipation	Maximum 3.5W @ 132V ac
Thermal Dissipation	Maximum 11.9 BTU/hr @ 132V ac
Indicators (field side indication, customer device driven)	8 yellow status indicators
Keyswitch Position	8

General Specifications

External ac Power		
	Supply Voltage	120V ac nominal
	Voltage Range	85 to 132V ac, 47-63Hz
Dimensions	Inches (Millimeters)	1.8H x 3.7W x 2.1D (45.7 x 94.0 x 53.3)
Environmental Conditions		
	Operational Temperature	0 to 55°C (32 to 131°F)
	Storage Temperature	-40 to 85°C (-40 to 185°F)
	Relative Humidity	5 to 95% noncondensing
	Shock	Operating 30 g peak acceleration, 11(+1)ms pulse width
	Non-operating	50 g peak acceleration, 11(+1)ms pulse width
	Vibration	Tested 5 g @ 10–500Hz per IEC 68-2-6
Conductors	Wire Size	12 gauge (4mm ²) stranded maximum
		3/64 inch (1.2mm) insulation maximum
	Category	1 ¹
Agency Certification (when product or packaging is marked)		<ul style="list-style-type: none"> • CSA certified • CSA Class I, Division 2, Groups A, B, C, D certified • UL listed • CE marked for all applicable directives

¹ You use this conductor category information for planning conductor routing as described in publication 1770-4.1, "Industrial Automation Wiring and Grounding Guidelines."