

IAC Series

AC Input Module

CRIus File E29244

Users should thoroughly review the technical data before selecting a product part number. It is recommended that users also seek out the pertinent approvals files of the agencies/laboratories and review them to ensure the product meets the requirements for a given application.

Features

- Industry standard package and pin-out.Color coded by function.
- 4000V rms optical isolation.
- High immunity to false operation.
- · Series compatible.
- Compatible with 2IO series mounting boards.

Engineering Data

Switch Form: 1 Form A (SPST-NO)

Duty: Continuous.

Operating Temperature: -30°C to +80°C. Storage Temperature: -30°C to 100°C Potting Compound Flammability: UL94V-0. Approximate Weight: 1.38 oz. (35g).

Ordering Information

	Typical Part Number >				
1. Basic Series: IAC = AC input module - yellow case		J			
2. Logic Voltage: 5 = 5VDC 15 = 15VDC 24 = 24VDC					
3. Input: Blank = 120VAC input (90-140VAC) **					
A = 240VAC input (180-280VAC) * *					
E = 18-36VAC input * *					

^{* *} Is not polarity sensitive.

Our authorized distributors are more likely to maintain the following items in stock for immediate delivery.

IAC-5 IAC-5A

IAC-5E IAC-15

IAC-24

Input Specifications

Parameter	Conditions	Units	IAC-5 IAC-15 IAC-24			IAC-5A IAC-15A IAC-24A			IAC-5E IAC-15E IAC-24E		
			Min.	Тур.	Max.	Min.	Тур.	Max.	Min.	Тур.	Max.
Control Voltage Range VIN		VAC	90	120	140	180	240	280	18	24	36
Must Operate Voltage VIN(OP)		VAC			90			180			18
Must Release Voltage VIN(REL)		VAC	60			60			10		
Max. Input Current	@Vin=Max.	mA		1 - 5			1 - 8			0.2 - 2.0	
Input Resistance		Ohms	Current Regulator								



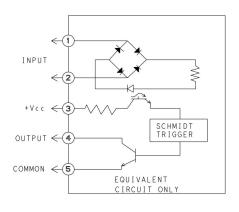
IAC Series(Continued)

AC Input Module

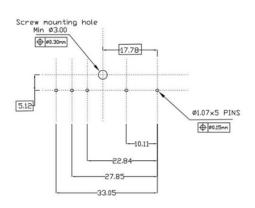
Output Specifications (@ +25°C unless otherwise specified)

Parameter	Conditions	Units	IAC-5 IAC-5A IAC-5E			IAC-15 IAC-15A IAC-15E			IAC-24 IAC-24A IAC-24E		
			Min.	Тур.	Max.	Min.	Тур.	Max.	Min.	Тур.	Max.
Maximum Output Voltage		VDC			30			30			30
Maximum Output Current		mADC			50			50			50
Maximum Output Leakage Current	Vout=Max.	mA			10			10			10
Maximum Output Voltage Drop	Isink=50mA	VDC			0.2			0.2			0.2
Logic Supply Voltage Vcc		VDC	3	5	6	12	15	18	20	24	30
Logic Supply Current	Vcc=Max.	mADC			15			15			15
Turn-On Time (Nominal)	Isink=25mA	ms			20			20			20
Turn-Off Time (Nominal)	Isink=25mA	ms			30			30			30
Output Type (Open Collector)			Norma	lly Open	(SINKING)	Normal	ly Open(SINKING)	Norma	Illy Open	(SINKING)

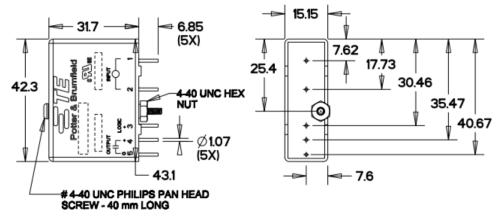
IAC Operating Diagram



PCB Layout



Outline Dimensions



DIMENSION IN mm

Note: Extra nut and washer will be provided on the screw, which will goes under PCB to fix the relay.

Hex Nut S= 6.35 (width across flats), Thickness = 2.40

Washer = OD : Φ 4.85±0.25, ID: Φ 2.75±0.15, Thickness = 0.55

Mouser Electronics

Authorized Distributor

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TE Connectivity: