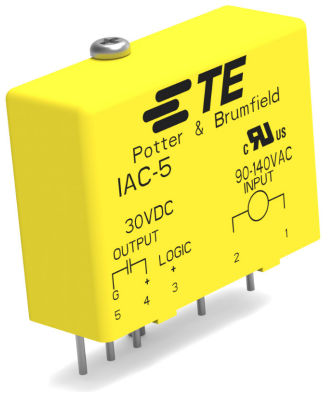


IAC Series

AC Input Module

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 >	IAC	-5	A

1. Basic Series: IAC = AC input module - yellow case

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.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.
Control Voltage Range V_{IN}		VAC	90	120	140	180	240	280	18	24	36
Must Operate Voltage $V_{IN(OP)}$		VAC			90			180			18
Must Release Voltage $V_{IN(REL)}$		VAC	60			60			10		
Max. Input Current	@V_{IN}=Max.	mA	1 - 5			1 - 8			0.2 - 2.0		
Input Resistance		Ohms	Current Regulator								

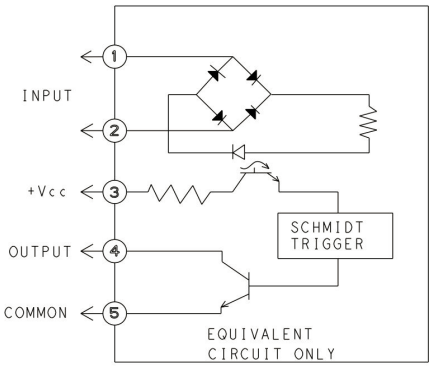
IAC Series(Continued)

AC Input Module

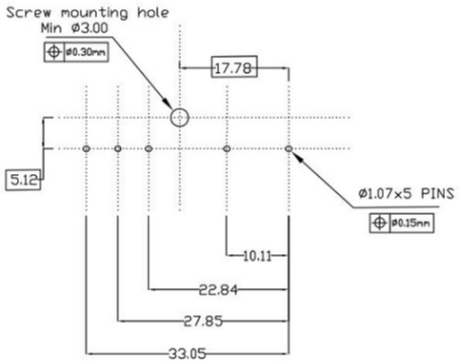
Output Specifications (@ +25˚C unless otherwise specified)

Parameter	Conditions	Units	IAC-5 IAC-5A IAC-5E			IAC-15 IAC-15A IAC-15E			IAC-24 IAC-24A IAC-24E		
			Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.
Maximum Output Voltage		VDC			30			30			30
Maximum Output Current		mADC			50			50			50
Maximum Output Leakage Current	V_{OUT}=Max.	mA			10			10			10
Maximum Output Voltage Drop	I_{SINK}=50mA	VDC			0.2			0.2			0.2
Logic Supply Voltage V_{CC}		VDC	3	5	6	12	15	18	20	24	30
Logic Supply Current	V_{CC}=Max.	mADC			15			15			15
Turn-On Time (Nominal)	I_{SINK}=25mA	ms			20			20			20
Turn-Off Time (Nominal)	I_{SINK}=25mA	ms			30			30			30
Output Type (Open Collector)			Normally Open(SINKING)			Normally Open(SINKING)			Normally Open(SINKING)		

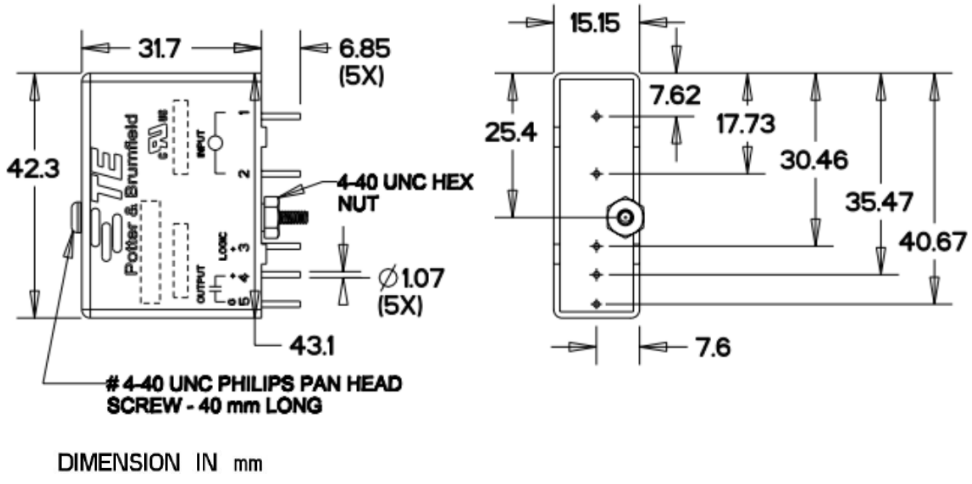
IAC Operating Diagram



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 : Φ4.85±0.25, ID: Φ2.75±0.15, Thickness = 0.55