

IACM Series

Slim Line AC Input Module

UL 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

- Slim line .4" (10.16mm) thick package.
- Foot print same as .6" (15.24mm) thick package.
- 4000V rms optical isolation.
- Color coded by function.
- High immunity to false operation.
- Series compatible.
- Compatible with 2IOM 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.

Solderability: 260°C for 5 seconds, maximum.

Approximate Weight: .87 oz. (22.1g).

Ordering Information

Typical Part Number >

IACM

-5

A

1. Basic Series: IACM = Slim line 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.

IACM-5
IACM-5A
IACM-5E
IACM-15

IACM Series (Continued)

AC Input Module

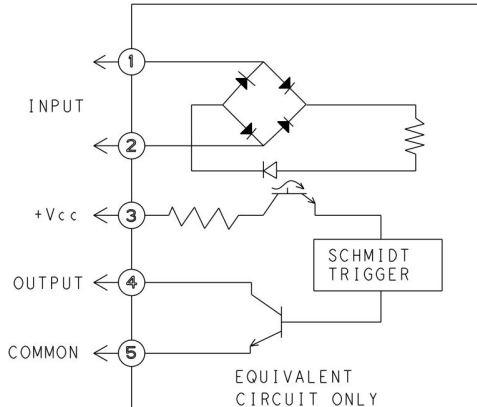
Input Specifications

Parameter	Conditions	Units	IACM-5			IACM-5A			IACM-5E		
			IACM-15	IACM-24		IACM-15A	IACM-24A		IACM-15E	IACM-24E	
Control Voltage Range V_{IN}		VAC	Min. 90	Typ. 120	Max. 140	Min. 180	Typ. 240	Max. 280	Min. 18	Typ. 24	Max. 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		28K			35K			18K	

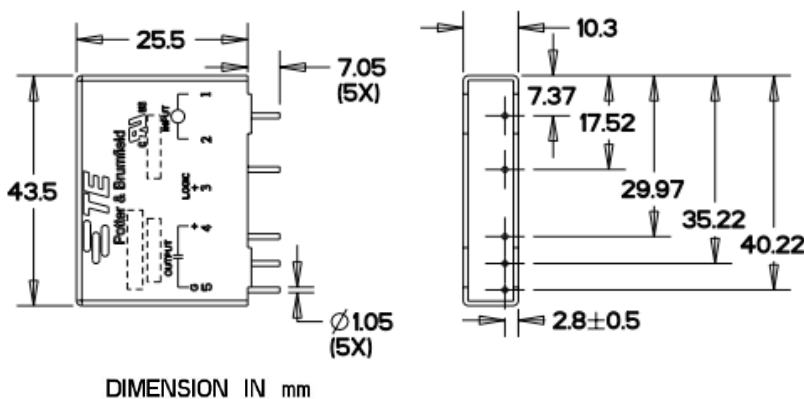
Output Specifications (@ +25°C unless otherwise specified)

Parameter	Conditions	Units	IACM-5			IACM-15			IACM-24		
			IACM-5A	IACM-5E		IACM-15A	IACM-15E		IACM-24A	IACM-24E	
Maximum Output Voltage		VDC			30		30			30	
Maximum Output Current I_{SINK}		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
Maximum 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)		

IACM Operating Diagram



Outline Dimensions



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[IACM-5A](#)