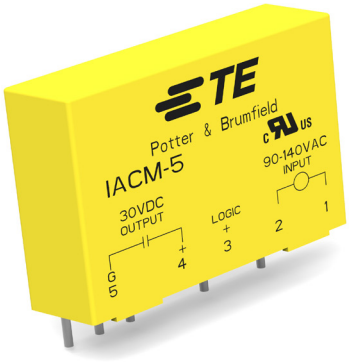


IACM Series

Slim Line
AC Input Module

c UL us 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

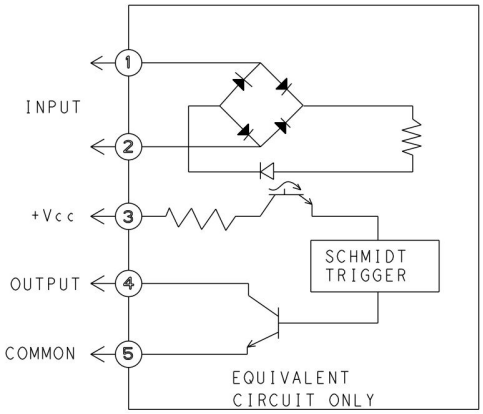
Input Specifications

Parameter	Conditions	Units	IACM-5 IACM-15 IACM-24			IACM-5A IACM-15A IACM-24A			IACM-5E IACM-15E IACM-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		28K			35K			18K	

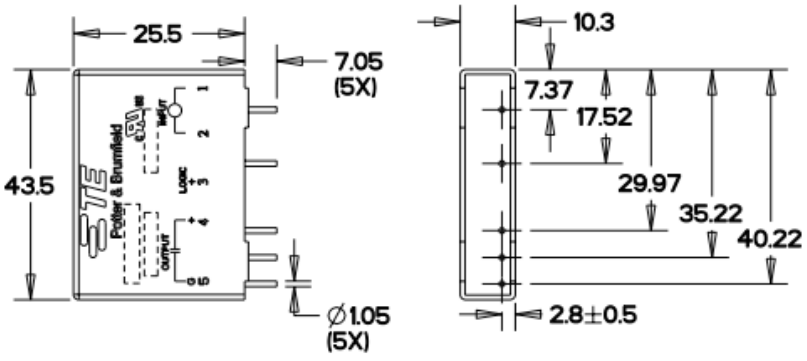
Output Specifications (@ +25°C unless otherwise specified)

Parameter	Conditions	Units	IACM-5 IACM-5A IACM-5E			IACM-15 IACM-15A IACM-15E			IACM-24 IACM-24A IACM-24E		
			Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.
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



DIMENSION IN mm

Mouser Electronics

Authorized Distributor

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TE Connectivity:

IDCM-5