



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



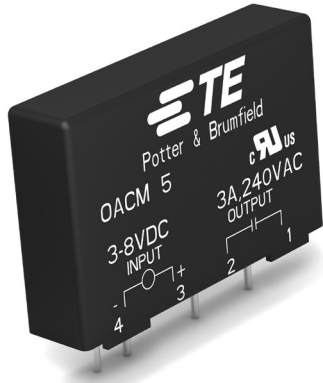
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OACM Series

**Slim Line
AC Output Modules**

c AL 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" (10.2mm) thick package.
- 4000V rms optical isolation.
- High immunity to false operation.
- Series compatible.
- Output modules can be controlled from sinking or sourcing logic.
- 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 >	OACM	-5	A
1. Basic Series: OACM = Slim line AC output module — black case					
2. Input Voltage: 5 = 5VDC 15 = 15VDC 24 = 24VDC U = 3-15VDC					
3. Output: Blank = 3A, 120 - 240VAC, zero voltage turn-on output A = 3A, 120 - 240VAC, zero voltage turn-on output H = 5A, 24 - 280VAC, zero voltage turn-on output					

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

- OACM-5
- OACM-5H
- OACM-U
- OACM-UH

Input Specifications

Parameter	Conditions	Units	OACM-5 OACM-5H			OACM-U OACM-UH		
			Min.	Typ.	Max.	Min.	Typ.	Max.
Control Voltage Range V_{IN}		VDC	3	5	8	3	5	15
Must Operate Voltage $V_{IN(OP)}$ (Min.)		VDC			3			3
Must release Voltage $V_{IN(REL)}$ (Min.)		VDC	1			1		
Input Current (Max.)	@ V_{IN} =Nominal	mADC	2	8	10	2	8	11
Input Resistance R_{IN}		Ohms	800			1300		

PIN-3 must be positive with respect to PIN-4 for correct operation.

OACM Series (Continued)

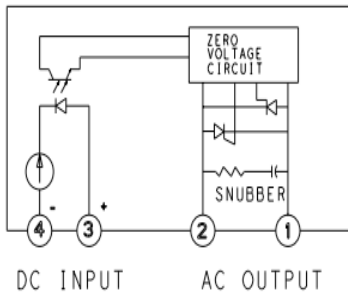
AC Output Modules

Output Specifications (47 to 63 Hz.,@ +25°C unless otherwise specified)

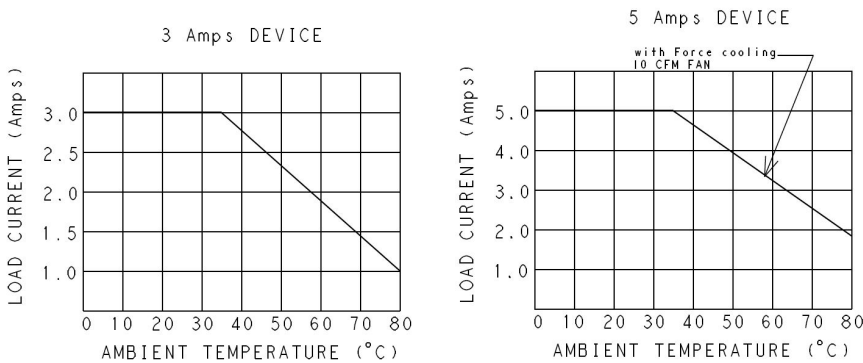
Parameter	Conditions	Units	OACM-5 OACM-U			OACM-5H OACM-UH		
			Min.	Typ.	Max.	Min.	Typ.	Max.
Load Voltage V_L		V rms	24	120 / 240	280	24	120 / 240	280
Repetitive Blocking Voltage		V rms			600			600
Load Current I_L^*		A rms	.05		3	.05		5
Single Cycle Surge Current		A peak		300			300	
Leakage Current (Off-State)	$V_L=280VAC$	mA rms			5			5
On-State Voltage Drop	$I_L=Max.$	V rms			1.6			1.6
Static dv / dt (Off-State)		V/ μs		300			300	
Turn-On Time	@f=60/50 Hz.	ms	8.3 / 10			8.3 / 10		
Turn-Off Time			8.3 / 10			8.3 / 10		
HP / Rating	@ 240VAC	HP	1/4			1/2		

* See Derating curve

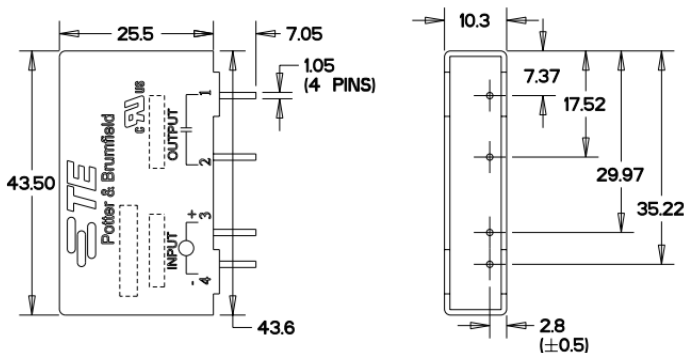
OACM Operating Diagram



OAC Derating Diagram



Outline Dimensions



DIMENSION IN mm