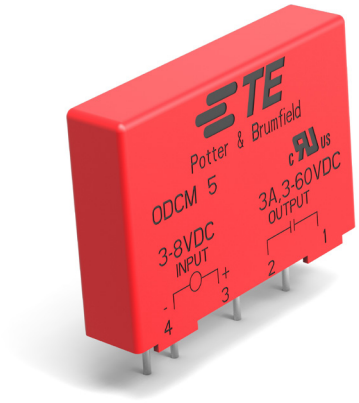


ODCM Series

Slim Line
DC Output Modules

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.
- Output modules can be controlled from sinking or sourcing logic.
- Compatible with 2IOM series mounting boards.

Engineering Data (all I/O modules)

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 >	ODCM	–5	A

1. Basic Series: ODCM = Slim line DC output module — red case

2. Logic Voltage: 5 = 5VDC
15 = 15VDC
24 = 24VDC
U = 3-15VDC

3. Output: Blank = 3A, 3-60VDC output

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

ODCM-5

Input Specifications

Parameter	Conditions	Units	ODCM-5			ODCM-15			ODCM-24			ODCM-U		
			Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.
Control Voltage Range V_{IN}		VDC	3	5	8	9	15	18	18	24	32	3	5	15
Must Operate Voltage $V_{IN(OP)}$		VDC			3			9			18			3
Must release Voltage $V_{IN(REL)}$		VDC	1			1			1			1		
Maximum Input Current	@V_{IN}=Nominal	mADC		8 - 20			13 - 20			8 - 20			8 - 25	
Input Resistance R_{IN}		Ohms		400			900			1600			600	

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

ODCM Series (Continued)

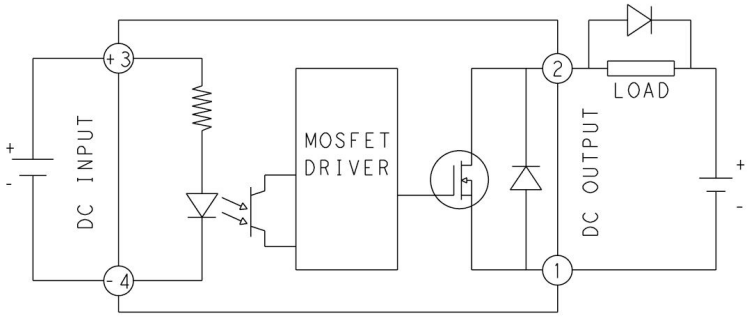
DC Output Modules

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

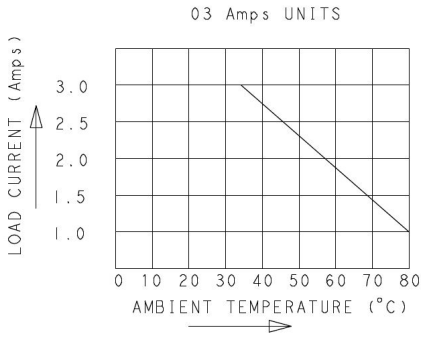
Parameter	Conditions	Units	ODCM-5 ODCM-24 ODCM-15 ODCM-U		
			Min.	Typ.	Max.
Load Voltage V_L		V dc	3		60
Load Current		A rms	0.1		3
Maximum Surge Current for 1 Second		A peak			33
Maximum Leakage Current (Off-State)	V_L=280VAC	µA rms			500
Maximum On-State Voltage Drop	I_L=Max.	V rms			1.5
MaximumTurn-On Time		V/µs			0.1
MaximumTurn-Off Time	@f=60/50 Hz.	ms			0.75

PIN-1 must be positive with respect to PIN-2 for correct operation.

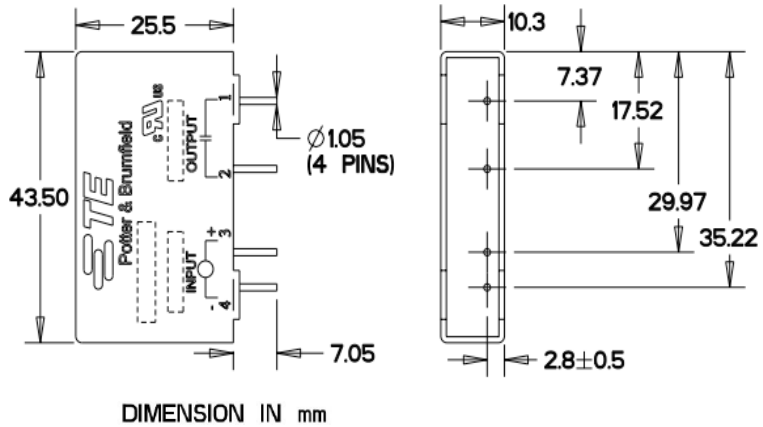
ODCM Operating Diagram



ODCM Derating Diagram



Outline Dimensions



DIMENSION IN mm