

Product Description

- ♦ 10-32VDC Input
- Internal RC/MOV Protection Circuit
- · Automatic Phase Correction, Phase Sequance Detection or Phase Loss Protection Function (Option)
- RoHS Compliant



Ordering Information

KMTYM 380 D

25

-24

-N

KMTYM Series Load Voltage 380: 380VAC

DC Control Load Current Blank: 15: 15Amp 25: 25Amp

R:

P: Random-on Common Anode

24: 10~32VDC F: Blank: Zero Crossing Common Cathod

Three Phase Switch

Blank: Two Phase Switch Blank: with automatic phase correction function N:

without automatic phase correction function

General Specifications		
Input Specifications (Ta=25°C)		
Control Voltage Range	10-32VDC	
Must Turn-On Voltage	10VDC	
Must Turn-Off Voltage	4VDC	

Must Turn-Off Voltage	4VDC	
Maximum Input Current	Common Cathod	35mA@32VDC
Maximum input Guirent	Common Anode	18mA@32VDC
Minimum Reversible Switching Time		80±10ms

Output Specifications (Ta=25°C)				
Load Voltage Range	24-440VAC			
Maximum Transient Overvoltage	800Vpk			
Minimum Load Current	100mA			
Maximum Turn-Off Time	20ms			
Maximum Surge Current (@10ms)	15A	150A		
	25A	250A		
Maximum Off-State Leakage Current@Rated Load Voltage	5mA			
Maximum On-State Voltage Drop@Rated Current	1.7Vrms			
Minimum Off-State dv/dt@Maximum Rated Voltage		200V/µs		

General Specifications (Ta=25°C)				
Dielectric Strength (50/60Hz)	Input/Output	4000Vrms		
	Input, output/Base	2500Vrms		
Minimum Insulation Resistance (@500VDC)	1000ΜΩ			
Ambient Temperature Range	-30°C ∼ +80°C			
Storage Temperature Range	-30°C ∼ +100°C			
Pulse immunity level	IEC61000-4-4	2kV/100kHz		
Surge immunity level	IEC61000-4-5	2kV/common mould, 1kV/different mould		
Electrostatic discharge immunity level	IEC61000-4-2	4kV/contact discharge, 8kV/air discharge		

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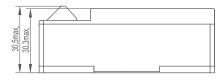
General Specifications

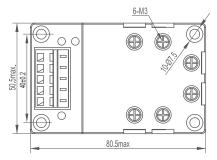
General Specifications (Ta=25°C)		
Weight (Typical)	180g	
Working Status Indication	LED1	Forward Indication
	LED2	Reverse Indication
	LED3	Three-phase Power Status Indication

Applications

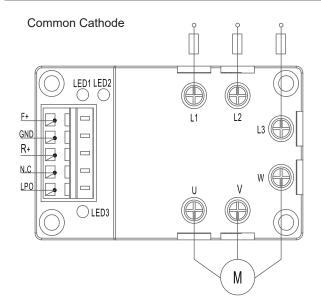
Three phase motor reversing control, such as the valve controls, and etc.

Outline Dimensions





Wiring Diagram



Wiring Instructions:

F+: Forwarding control should input anode;

GND: Control power supply should connect with cathode;

R+: Reversing control should input anode;

N.C.: No Connection

LPO: Phase loss output, high impedance status

when there is phase loss in three-phase electricity.

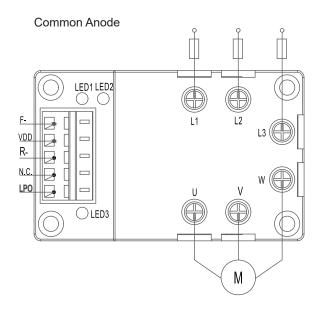
Max. output current is 50mA;

Note: there is no connection wire in LPO terminal when the product does not have phase loss protection or automatic phase correction function.

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Wiring Diagram



Wiring Instructions:

F-: Forwarding control should input cathode;

VDD: Control power supply should connect with anode,10-32VDC;

R-: Reversing control should input cathode;

N.C.: No Connection

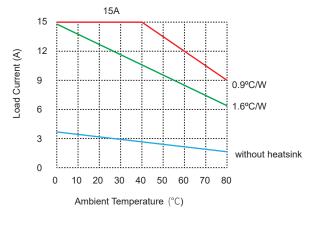
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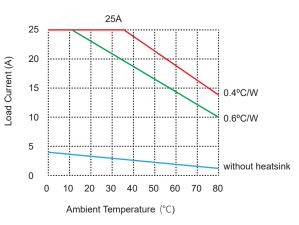
when there is phase loss in three-phase electricity.

Max. output current is 50mA;

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Thermal Derating Curve





General Notes

- 1. Relay must be mounted to proper sized heat sink based on thermal curves. Thermal grease or a therma pad must be used between relay and heat sink and be torgued down to 18-20/2.0-2.2 in lb/N·m.
- 2. When connecting wiring to SSR please ensure screws are torqued down properly (input 4.43/0.5 in-lb/N·m, output 5.13-8.67/0.58-0.98 in-lb/N·m)
- 3. When ambient temperature is above 25°C, the maximum load current decreases. See thermal derating curve.

Agency Approvals (Certification)





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