

Solid State Relay

KMT Three Phase Motor Reversing Module

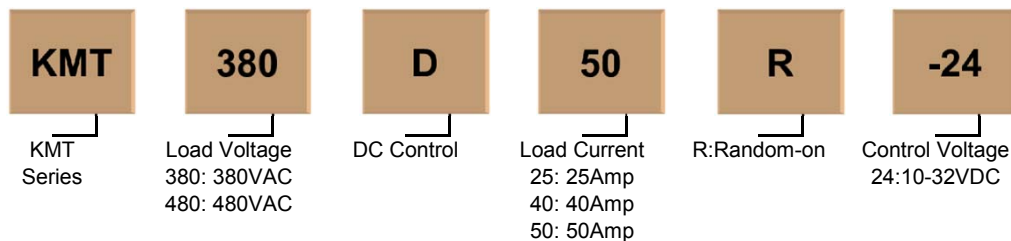


- Random-on switching
- Ratings 25A,40A,50A @48-530VAC
- SCR output for heavy industrial loads
- 24VDC input
- Dielectric Strength >4000Vrms
- Common negative control
- Internal RC/MOV protection circuit
- High EMC design

Product Description

KMT series motor reversing module is special designed for three-phase motor control. The control circuit including logic interlock and a delay circuit, the reversing switching time is more than 50ms, internal RC/MOV protection circuit could improve the reliability.

Product Selection



Description	25A	40A	50A
380VAC	KMT380D25R-24	KMT380D40R-24	KMT380D50R-24
480VAC	KMT480D25R-24	KMT480D40R-24	KMT480D50R-24

Technical Specification

Input Circuit

Control Voltage Range	10-32VDC
Minimum Turn-on Voltage	10VDC
Minimum Turn-Off Voltage	3VDC
Maximum Input Current	35mA
Minimum Reversing Switching Time Interval	50ms

Output Circuit

Load Voltage Range	380V	48-440VAC
	480V	48-530VAC
Transient Overvoltage	380V	1100Vpk
	480V	1200Vpk
Maximum Turn-Off Time		1/2 AC Cycle
Maximum Surge Current [@10ms]	25A	300A
	40A	500A
	50A	600A

Maximum Off-State Leakage Current [@ Rated Voltage]	5mA
Maximum On-State Voltage Drop [@ Rated Current]	1.5Vrms
Minimum Off-State dv/dt [@ Maximum Rated Voltage]	500V/μs

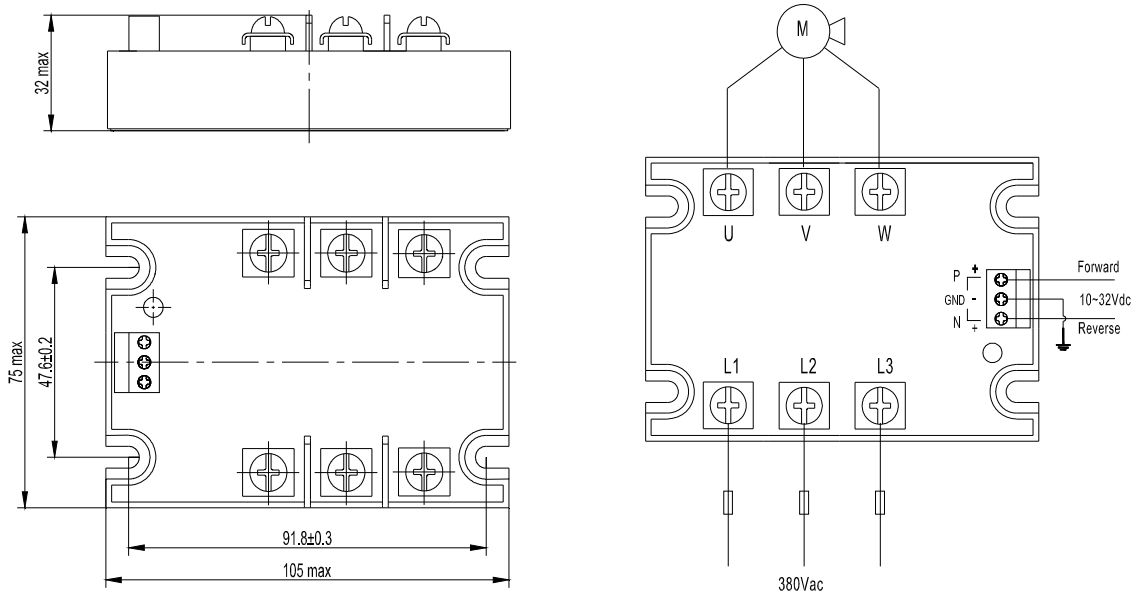
General Information

Dielectric Strength, Input/Output/Base [50/60Hz]	≥4000Vrms
Ambient Operating Temperature Range	-30°C ~ +80°C
Ambient Storage Temperature Range	-30°C ~ +100 °C
Weight [typical]	338g
LED Indicator	Forward:Green Reverse:Red

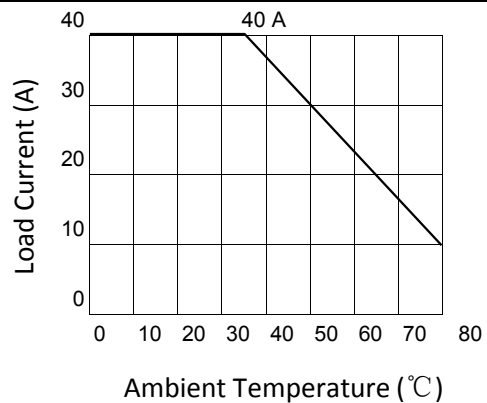
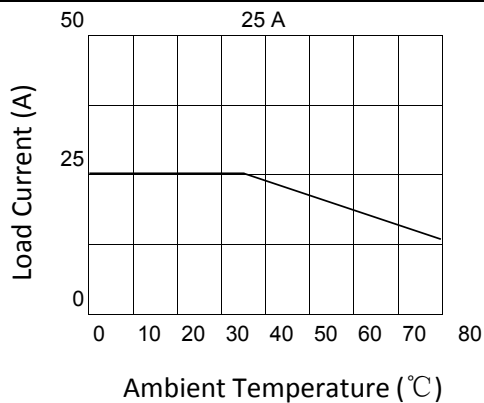
Application

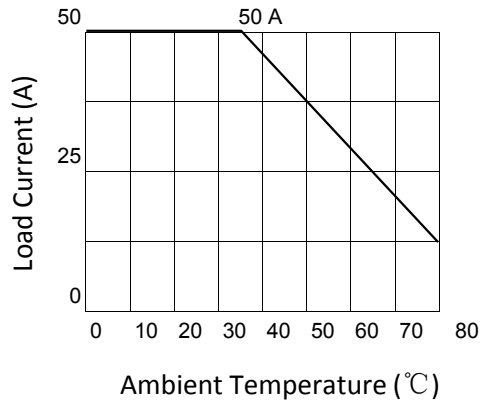
Suitable for transformer on-load regulating device

Installation



Thermal Curve





Product Certification

