Product Description

- Random-on Switching
- Three phase three control or three phase two control options
- Input Voltage: 10-32VDC
- Load Current: 25A, 40A
- Dielectric Strength: 4000Vrms
- Internal RC/MOV Protection Circuit
- RoHS Compliant

Ordering Information

KMS	380	D	25	P	-24	F
KMS Series (1)	Load Voltage 380: 380VAC 480: 480VAC	DC Control	Load Current 25: 25Amp 40: 40Amp	Blank: Common Cathod P: Common Anode	Control Voltage 24: 10-32VDC	Blank: Two-phase Switch F: Three-phase Switch

(1) The part number selection is subject to the following list.

		25A	40A
Common Cathod	Two-phase Switch	KMS380D25-24	KMS380D40-24
		KMS480D25-24	KMS480D40-24
	Three-phase Switch	KMS380D25-24F	KMS380D40-24F
		KMS480D25-24F	KMS480D40-24F
Common Anode	Two-phase Switch	KMS380D25P-24	KMS380D40P-24
		KMS480D25P-24	KMS480D40P-24
	Three-phase Switch	KMS380D25P-24F	KMS380D40P-24F
		KMS480D25P-24F	KMS480D40P-24F

General Specifications

Input Specifications (Ta=25℃)		
Control Voltage Range	10-32VDC	
Must Turn-on Voltage	10VDC	
Must Turn-off Voltage	3VDC	
Maximum Input Current	25mA	

Output Specifications (Ta=25℃)		
Load Voltage Range	380VAC	24-440VAC
	480VAC	24-530VAC
Maximum Transient Overvoltage	380VAC	1200Vpk
	480VAC	1600Vpk
Minimum Load Current	100mA	
Turn-on Time Delay(Typical)	80ms	
Maximum Turn-off Time	10ms	
Maximum Surge Current (@10ms)	25A	250A
	40A	400A
Maximum Off-State Leakage Current@Rated Load Voltage	5mA	
Maximum On-State Voltage Drop@Rated Current	1.5Vrms	
Minimum Off-State dv/dt@Maximum Rated Voltage	500V/μs	

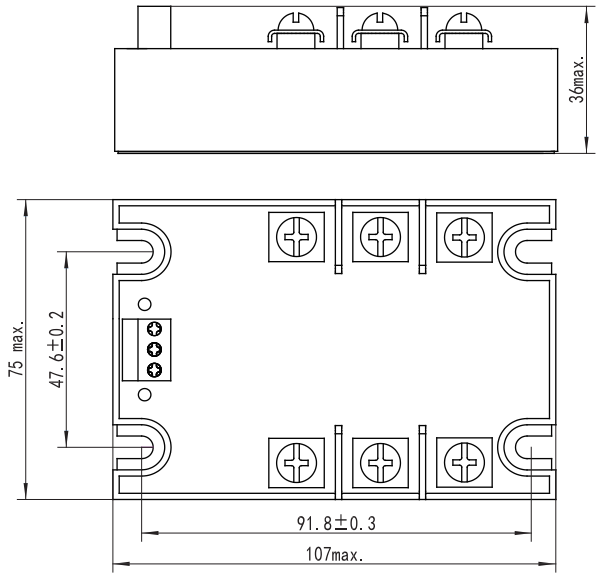
General Specifications

General Specifications (Ta=25℃)		
Dielectric Strength (50/60Hz)	Input/Output	4000Vrms
	Input, output/Base	2500Vrms
Minimum Insulation Resistance (@500VDC)		1000MΩ
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
Ambient Temperature Range	-30℃ ～ +80℃	
Storage Temperature Range	-30℃ ～ +100℃	
Weight (Typical)	340g	
LED Status Indication	Forward:Green	
	Reversion:Red	

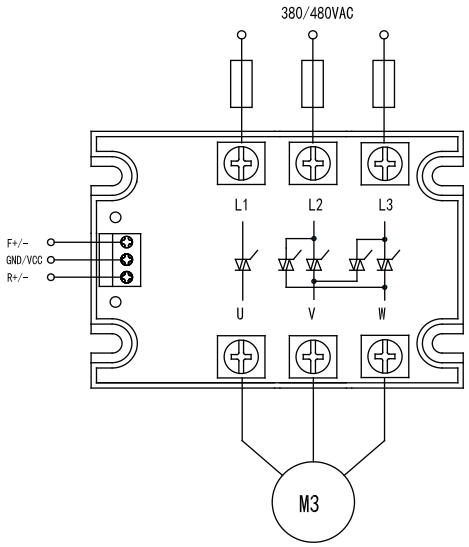
Applications

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

Outline Dimensions / Wiring Diagram

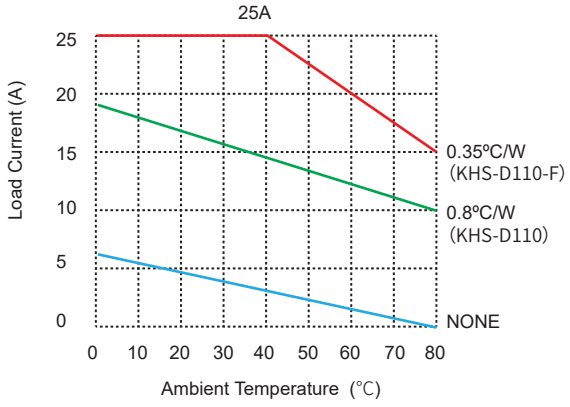


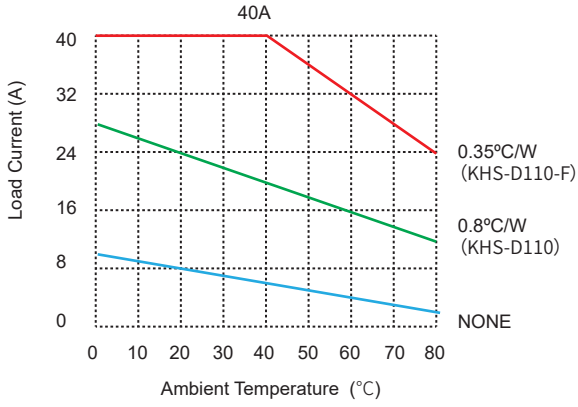
Outline Dimensions



Wiring Diagram

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 .
2. When connecting wiring to SSR please ensure screws are torqued down properly: input 4.43/0.5 in-lb/N·m, output (0.98-1.37)N·m,8.67-12.12(lb-in)
3. When the operation temperature is high, please consider the derating as per the thermal curve.
4. Ensure the electrical grounding reliably during the use of the SSR.

