

Single Phase Zero Switching

KMSR Series

Part Number Description

KMSR

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1	Control Voltage	D : 4 ~ 32VDC	A : 90 ~ 265VAC			
2	Output Type	S : Single Phase	D : DC			
3	Load Current	005 : 5A *	010 : 10A	020 : 20A	025 : 25A	030 : 30A
		050 : 50A	060 : 60A	100 : 100A	040 : 40A	
4	Load Voltage	AC 2 : 90 ~ 240VAC	4 : 90 ~ 480VAC			
		DC 5 : 50VDC				

* DC output type only.

** Please contact us when using FAN.

General Specification

► General Ratings

Insulation Resistance	100MΩ/ 500VDC(between Terminal and Case)
Dielectric Strength	2500VAC(50/60Hz 1 minute)
Vibration Resistance	10 ~ 55Hz, amplitude : 1.5mm,x,y,z each axis 2 hours
Shock Resistance	1000 m/s ² ,x,y,z each axis 3times
Storage Temperature	-30°C ~ 90°C (with no icing or condensing)
Ambient Temperature	-25°C ~ 70°C (with no icing or condensing)
Ambient Humidity	45 ~ 85% RH (no condensing)
Weight	Approx 100g

	Part Number	DS0102	DS0202	DS0252	DS0302	DS0402	DS0502	DS0602	DS1002		
DC Input AC Output (90 ~ 240VAC)	Input Ratings	Rated Control Voltage			4 ~ 32VDC						
		Pick-up Voltage			Min. 3VDC						
		Drop-out Voltage			Max. 1.5VDC						
		Input Current			3 ~ 35mA						
	Output Ratings	Rated Load Voltage			90 ~ 240VAC						
		Repetitive Blocking Voltage(Minimum)			600V			800V			
		Rated Load Current		10A	20A	25A	30A	40A	50A	60A	100A
		Frequency			47 ~ 63Hz						
		Single cycle Surge Current Resistance		170A	250A	315A			580A		
		Output Leakage Current (Maximum)		10mA	15mA						
		Output On Voltage Drop (Maximum)			1.5V						
		Minimum Switching Current			200mA						
		Pick-up / Drop-out time			1/2 cycle Max. 1ms						

* Heatsink Recommendations

- We recommend that solid state relay modules be mounted to a heatsink sufficient to maintain the module's base temperature at less 85°C under worst case ambient temperature and load conditions.
- The module should be mounted to the heatsink using two#10 screws.



General Specification

DC Input AC Output (90 ~ 480VAC)	Part Number		DS0104		DS0204		DS0254		DS0304		DS0404		DS0504		DS0604		DS1004								
	Input Ratings	Rated Control Voltage						4 ~ 32VDC																	
		Pick-up Voltage						Min. 3VDC																	
		Drop-out Voltage						Max. 1.5VDC																	
		Input Current						3 ~ 35mA																	
	Output Ratings	Rated Load Voltage						90 ~ 480VAC																	
		Repetitive Blocking Voltage(Minimum)						800V		1200V															
		Rated Load Current						10A		20A		25A		30A		40A		50A		60A		100A			
		Frequency						47 ~ 63Hz																	
		Single cycle Surge Current Resistance						170A		250A				350A		370A		580A							
		Output Leakage Current (Maximum)						20mA																	
		Output On Voltage Drop (Maximum)						1.3V		1.6V		1.8V													
		Minimum Switching Current						200mA																	
Pick-up / Drop-out time						1/2 cycle Max. 1ms																			
DC Input DC Output (4 ~ 32VDC)	Part Number		DD0055		DD0105		DD0205		DD0051		DD0101		DD0201		DD0054		DD0104		DD0204						
			DD0305		DD0405		DD0505		DD0301		DD0401		DD0501		DD0304		DD0404		DD0504						
	Input Ratings	Rated Control Voltage						4 ~ 32VDC																	
		Pick-up Voltage						Min. 3VDC																	
		Drop-out Voltage						Max. 1.5VDC																	
		Input Current						5 ~ 20mA																	
	Output Ratings	Rated Load Voltage						10 ~ 50VDC				10 ~ 100VDC				10 ~ 400VDC									
		Rated Load Current						5A		10A		20A		5A		10A		20A		5A		10A		20A	
								30A		40A		50A		30A		40A		50A		30A		40A		50A	
		Drop-out Voltage						1/2 cycle Max. 1ms																	
AC Input AC Output (90 ~ 240VAC)	Part Number		AS0102		AS0202		AS0252		AS0302		AS0402		AS0502		AS0602		AS1002								
	Input Ratings	Rated Control Voltage						90 ~ 265VAC																	
		Pick-up Voltage						Min. 72VAC																	
		Drop-out Voltage						Max. 60VAC																	
		Input Current						Max. 15mA																	
	Output Ratings	Rated Load Voltage						90 ~ 240VAC																	
		Repetitive Blocking Voltage(Minimum)						600V								800V									
		Rated Load Current						10A		20A		25A		30A		40A		50A		60A		100A			
		Frequency						47 ~ 63Hz																	
		Single cycle Surge Current Resistance						170A		250A		315A				580A									
		Output Leakage Current (Maximum)						10mA		15mA															
		Output On Voltage Drop (Maximum)						1.5V																	
		Minimum Switching Current						200mA																	
		Pick-up / Drop-out time						1/2 cycle Max. 1ms																	

Single Phase Zero Switching

KMSR Series

General Specification

AC Input AC Output (90 ~ 240VAC)	Part Number		AS0104	AS0204	AS0254	AS0304	AS0404	AS0504	AS0604	AS1004	
	Input Ratings	Rated Control Voltage				90 ~ 265VAC					
		Pick-up Voltage				72VAC 이상					
		Drop-out Voltage				60VAC 이하					
		Input Current				15mA 이하					
	Output Ratings	Rated Load Voltage				90 ~ 480VAC					
		Repetitive Blocking Voltage(Minimum)		800V	1200V						
		Rated Load Current		10A	20A	25A	30A	40A	50A	60A	100A
		Frequency				47 ~ 63Hz					
		Single cycle Surge Current Resistance		170A	250A		350A	370A	580A		
		Output Leakage Current (Maximum)				20mA					
		Output On Voltage Drop (Maximum)		1.3V	1.6V	1.8V					
		Minimum Switching Current				200mA					
Pick-up / Drop-out time				1/2 주기 최대 1ms							

Product Selection

	Output Voltage Type	Control Voltage	Load Voltage	Load Current	Part Number	Load Voltage	Load Current	Part Number
	Single phase AC	4 ~ 32VDC	90 ~ 240VAC	10A	KMSR-DS0102	90 ~ 480VAC	10A	KMSR-DS0104
				20A	KMSR-DS0202		20A	KMSR-DS0204
				25A	KMSR-DS0252		25A	KMSR-DS0254
				30A	KMSR-DS0302		30A	KMSR-DS0304
				40A	KMSR-DS0402		40A	KMSR-DS0404
				50A	KMSR-DS0502		50A	KMSR-DS0504
				60A	KMSR-DS0602		60A	KMSR-DS0604
				100A	KMSR-DS1002		100A	KMSR-DS1004
		90 ~ 265VAC	90 ~ 240VAC	10A	KMSR-AS0102	10A	KMSR-AS0104	
				20A	KMSR-AS0202	20A	KMSR-AS0204	
				25A	KMSR-AS0252	25A	KMSR-AS0254	
				30A	KMSR-AS0302	30A	KMSR-AS0304	
				40A	KMSR-AS0402	40A	KMSR-AS0404	
				50A	KMSR-AS0502	50A	KMSR-AS0504	
				60A	KMSR-AS0602	60A	KMSR-AS0604	
				100A	KMSR-AS1002	100A	KMSR-AS1004	

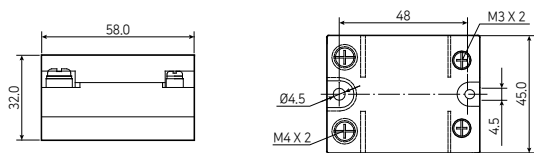
Product Selection

	Output Voltage Type	Control Voltage	Load Voltage	Load Current	Part Number	Load Voltage	Load Current	Part Number	Load Voltage	Load Current	Part Number
	DC	4 ~ 32VDC	10 ~ 50VDC	5A	KMSR-DD0055	10 ~ 100VDC	5A	KMSR-DD0051	10 ~ 400VDC	5A	KMSR-DD0054
				10A	KMSR-DD0105		10A	KMSR-DD0101		10A	KMSR-DD0104
				20A	KMSR-DD0205		20A	KMSR-DD0201		20A	KMSR-DD0204
				30A	KMSR-DD0305		30A	KMSR-DD0301		30A	KMSR-DD0304
				40A	KMSR-DD0405		40A	KMSR-DD0401		40A	KMSR-DD0404
				50A	KMSR-DD0505		50A	KMSR-DD0501		50A	KMSR-DD0504

Dimension

unit : mm

Outline Dimensions

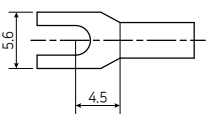


KHS-A025 (10A, 15A, 20A, 25A)

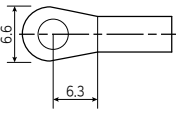
Terminal

unit : mm

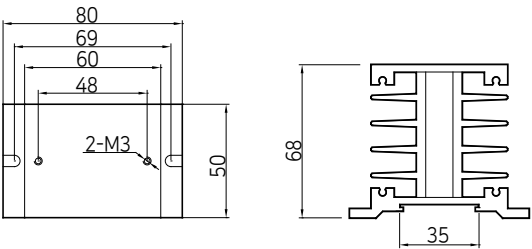
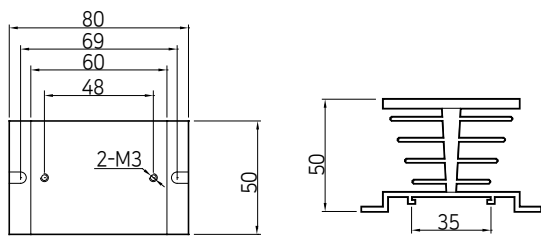
Input



Output



KHS-A040 (30A, 40A)



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Diagram

Connecting Diagrams

