

Product Descr	iption						
 Small S Load Ci 12VDC Internal 3 Phase Circuit, Output RoHS C 	ize urrent: 10A or 20 or 24VDC Input RC/MOV Protec 2 Control, Interi Interlock Circuirt Connected with V Compliant	A stion Circuit nal Delay Wires			I-AULOC KMGB480D10R-12 SPHASE MOTOR CONTROL MODULE SPHASE MOTOR CONTROL MODULE SPHASE MOTOR CONTROL MODULE		
Ordering Inform	mation	_	_	_	(E 🕼	
KMGB Series ⁽¹⁾	380 Load Voltage	D D: DC Control	10 Load Current	R Switching Mode	-24 Control Voltage	(XXX) 	
	480: 480VAC		10: 10Amp 20: 20Amp	R: Random-on	12: 12VDC 24: 24VDC	Customized Code	
(1) The part number	selection is subject to	the following list.					
Information 10A			10A	20A			
12VDC KMGB480			480D10R-12	D10R-12 KMGB480D20R-12			
24VDC KMGB480			480D10R-24	D10R-24 KMGB480D20R-24			
General Specif	ications						
Input Specifications	(Ta=25℃)						
	、/			-12	9.6-14.4VDC		
Control Voltage Range		L	-24	15-28.8VDC			
Must Turn on Val	togo		1 1 1	-12	9.6VDC		
Must Turn-on Voltage				-24	15VDC		
Must Turn-off Voltage				2VDC			
Maximum Input Current			,	-12 55mA			
				-24 38mA			
Output Specification	s (Ta=25°C)			04 500/40			
Load Voltage Kange			·	24-330VAC			
Maximum Transient Overvoltage				1200νμκ			
				100ms			
Maximum Turp of	ff Time			20ms			
waximum rum-on nme				10A	160A		
Maximum 1 Cycle Surge Current (@10ms))ms)		20A	200A	200A	
Maximum I²t (@10ms)				10A	120A ² s		
				20A	200A ² s		
Maximum Off-State Leakage Current@Rated Load Voltage			e	5m	A		

1.5Vrms

200V/µs

Maximum On-State Voltage Drop@Rated Current Minimum Off-State dv/dt@Maximum Rated Voltage





General Specifications (Ta=25°C)						
	Input/Output	4000Vrms				
Dielectric Strength (50/60Hz)	Input, output/Base	2500Vrms				
Minimum Insulation Resistance (@500VDC)		1000ΜΩ				
Ambient Temperature Range	-30°C \sim +80°C					
Storage Temperature Range	-30°C \sim +100°C					
Pulse Immunity level	IEC61000-4-4	4kV/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				
Weight (Typical)	130g					
	Forward:Green					
Working Status Indication	Reversion:Red					

Applications

Three phase motor reversing control, such as electric actuator, transformer with onload voltage regulating, and etc.

Outline Dimensions/Wiring Diagram



Outline Dimensions



Wiring Diagram



Rev.4.0,07-27-2022 Specifications are subject to change without notice. For any questions, please contact our technical support. Please visit us at www.i-autoc.com Copyright © 2022 Xiamen Kudom Electronics Technology Co.,Ltd.





General Notes

1. Relay must be mounted to proper sized heat sink based on thermal curves. Thermal grease or a thermal pad must be used between relay.

- 2. When the operation temperature is above 25 °C, please consider the derating as per the Thermal Derating Curve.
- 3. Please ensure reliable grounding when using the SSR.
- 4. Switching time must exceed 100ms.

5. Avoid using the product under the condition of strong magnetic field. The external strong magnetic field will affect the product's performance such as switching on and off.

Warnings

- 1. The product's side panels may be hot, allow the product to cool before touching.
- 2. Disconnect all power before installing or working with this equipment.
- 3. Verify all connections and replace all covers before turning on power.

