Product Description

- MOSFET Output
- Control Voltage: 3-10VDC, 10-28VDC
- Load Voltage: 60VDC, 100VDC, 200VDC, 400VDC
- Load Current: 20A
- Dielectric Strength: 2500Vrms
- RoHS Compliant



Ordering Information

KSL	60	D	20	-L	(XXX)
KSI Series (1)	Load Voltage 60: 60VDC 100: 100VDC 200: 200VDC 400: 400VDC	DC Control	Load Current 3: 3Amp 5: 5Amp 10: 10Amp 20: 20Amp	Control Voltage L: 3-10VDC H: 10-28VDC	Customized Code

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

Information	3A	5A	10A	20A
L	KSL400D3-L	KSL200D5-L	KSL100D10-L	KSL60D20-L
H	KSL400D3-H	KSL200D5-H	KSL100D10-H	KSL60D20-H

General Specifications

Input Specifications (Ta=25°C)		
Control Voltage Range	L	3-10VDC
	H	10-28VDC
Must Turn-On Voltage	L	3VDC
	H	10VDC
Must Turn-Off Voltage	1VDC	
Maximum Input Current	25mA	

Output Specifications (Ta=25°C)		
Load Voltage Range	60	0-60VDC
	100	0-100VDC
	200	0-200VDC
	400	0-400VDC
Maximum Transient Overvoltage	60	60Vpk
	100	100Vpk
	200	200Vpk
	400	400Vpk

General Specifications

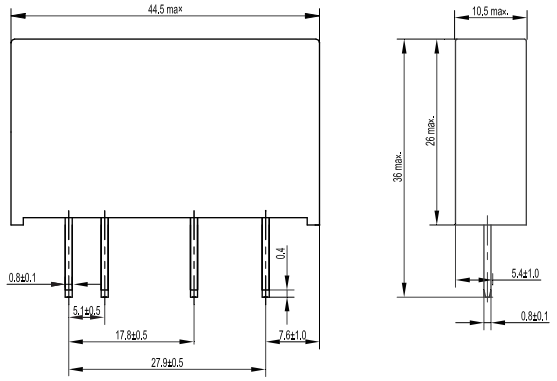
Maximum 1 Cycle Surge Current (50Hz)	3A	15A
	5A	25A
	10A	50A
	20A	100A
Maximum Turn-On Time	6ms	
Maximum Turn-Off Time	1ms	
Maximum Off-State Leakage Current@Rated Load Voltage	0.1mA	
Maximum On-State Resistance	3A	375mΩ
	5A	150mΩ
	10A	38mΩ
	20A	10mΩ

General Specifications (Ta=25℃)	
Dielectric Strength (50/60Hz)	2500Vrms
Minimum Insulation Resistance (@500VDC)	1000MΩ
Ambient Temperature Range	-30℃ ~ +80℃
Storage Temperature Range	-30℃ ~ +100℃
Weight (Typical)	20g

Applications

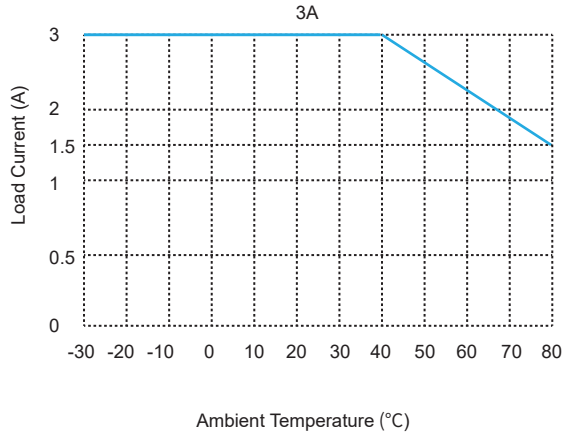
Suitable for DC motors, DC power supplies, electro-mechanical devices, and etc.

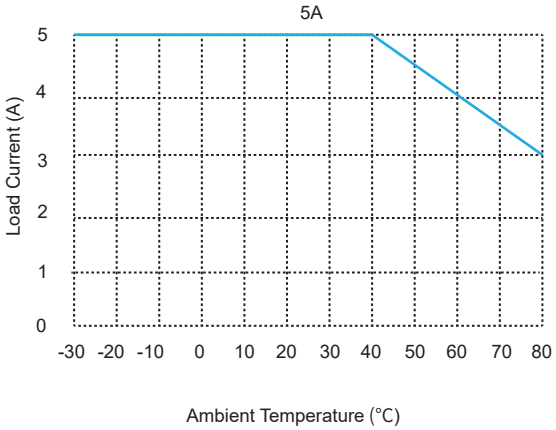
Outline Dimensions



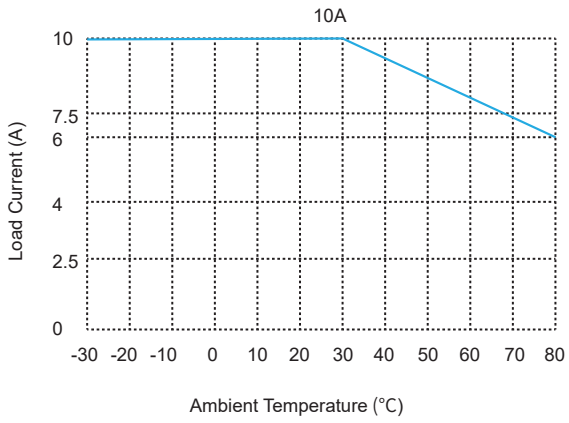
Outline Dimensions

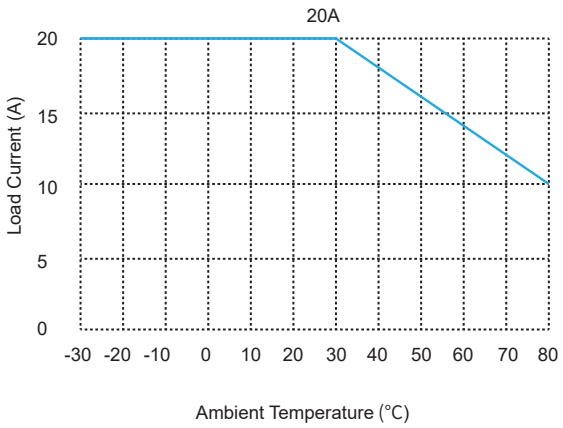
Thermal Derating Curve





Thermal Derating Curve





General Notes

1. Soldering must be finished within 10 seconds at 260°C,or finished within 5 seconds at 350°C. Otherwise it may cause damage to the relay.
2. Terminal polarity must be observed. Otherwise it may cause damage to the relay.
3. When ambient temperature is above 25°C, the maximum load current decreases. See thermal derating curve.

Agency Approvals (Certification)

Trademark Change Notification

Due to the company's strategic development needs, Xiamen Kudom Electronics Technology Co., Ltd will be acquired by i-Autoc (Xiamen) Investment Co., Ltd from 1st of July 2019. After the acquisition, all the products by Xiamen Kudom Electronics Technology Co., will no longer use Kudom trademark, but use i-Autoc trademark. The details of the change are as follows.

The original trademark KUDOM will be changed to i-Autoc. The original trademark KUDOM will still be used until 30th June 2019.

This is a change to the trademark only, the Company Name, Manufacturing Location, Management Team, Product Part Numbers and Safety Approval Licence Numbers (cUL, TUV, CCC, S-mark Etc) are to remain the same.