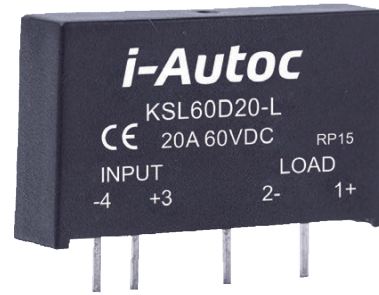


Product Description

- ◆ 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

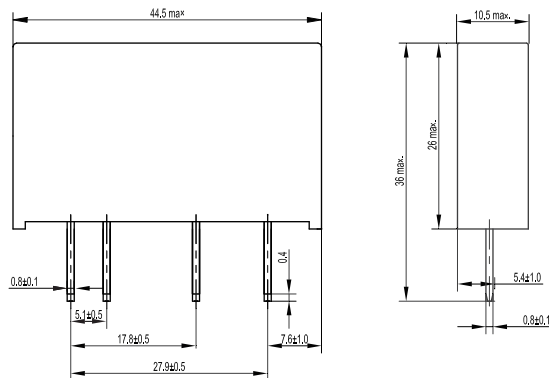
General Specifications (Ta=25°C)

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

Applications

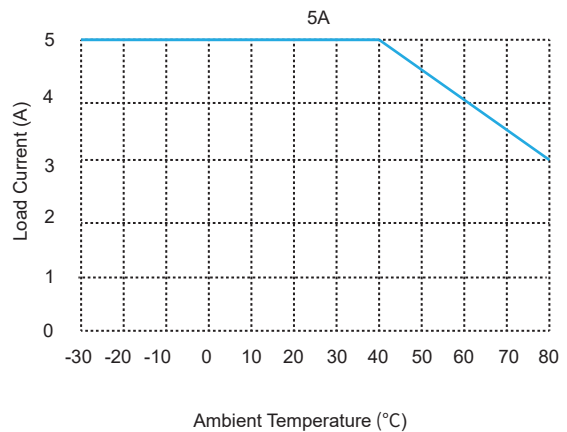
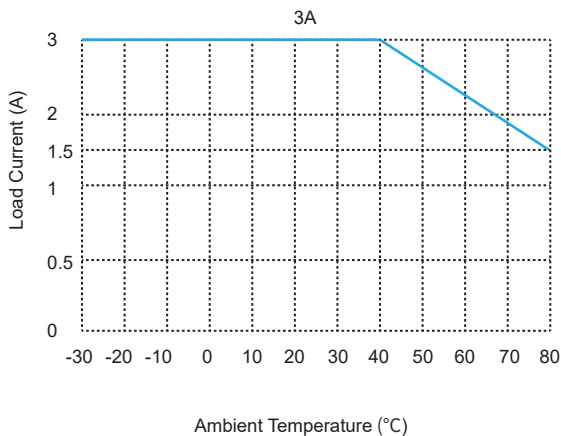
Suitable for DC motors, DC power supplies, electro-mechanical devices, and etc.

Outline Dimensions

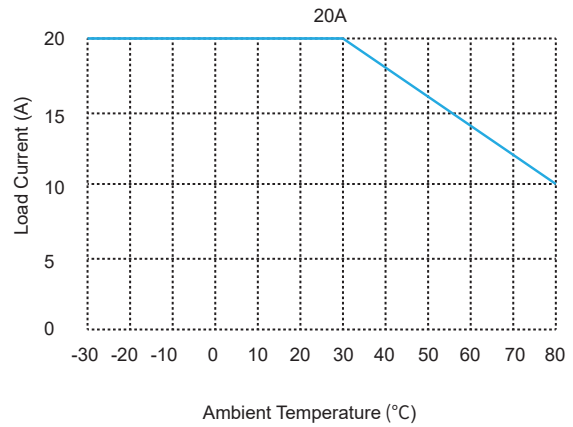
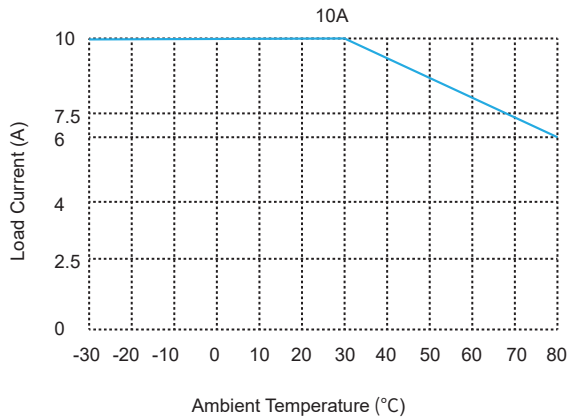


Outline Dimensions

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)

