Product Description

- TRIAC Output
- Control Voltage: 4-32VDC
- Load Voltage: 240VAC
- Load Current: 5A
- Dielectric Strength: 2500Vrms
- RoHS Compliant
- Internal RC Protection Circuit
- Plug in installation
- Optional base mounting
- Photoelectric isolation
- Normally Closed Type



Ordering Information

KSOB	240	D	5	-W	D	(XXX)
KSOB Series	Load Voltage 240: 240VAC	DC Control	Load Current 5: 5Amp	Control Voltage W: 4-32VDC	Accessories D: With the rail base(KPD-5A) P: With the PCB base(KPD-6A) Blank：Without the base	Customized Code

General Specifications

Input Specifications (Ta=25℃)		
Control Voltage Range		4-32VDC
Must Turn-on Voltage		1.0VDC
Must Turn-off Voltage		4VDC
Maximum Input Current		18mA（@32VDC）

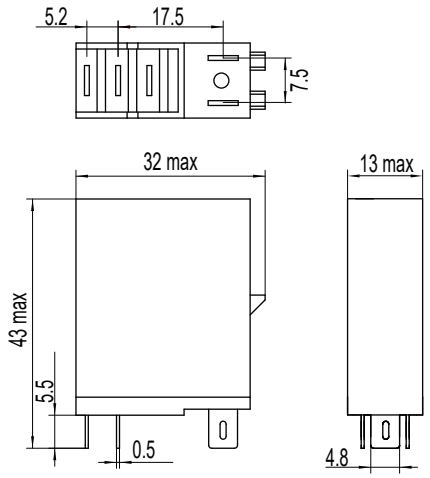
Output Specifications (Ta=25℃)		
Maximum Transient Overvoltage		600Vpk
Load Voltage Range		24-280VAC
Load Current Range		0.1~5A
Maximum Surge Current (@10 ms)		250A
Maximum Turn-on Time	Random-on	1ms
	Zero Crossing	1/2 cycle+1ms
Maximum Turn-off Time		1/2 cycle+1ms
Maximum Off-State Leakage Current@Rated Load Voltage		5mA
Maximum On-State Voltage Drop@Rated Current		1.5Vrms
Minimum Off-State dv/dt@Maximum Rated Voltage		200V/μs

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)	KSOB	20g
	KSOB-P	30g
	KSOB-D	50g

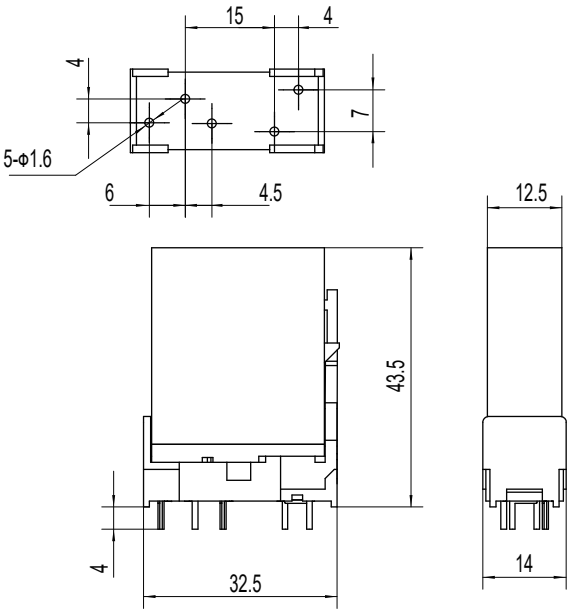
Applications

Suitable for lighting control, motor control, vending machine control, medical device control, valve control etc, and etc.

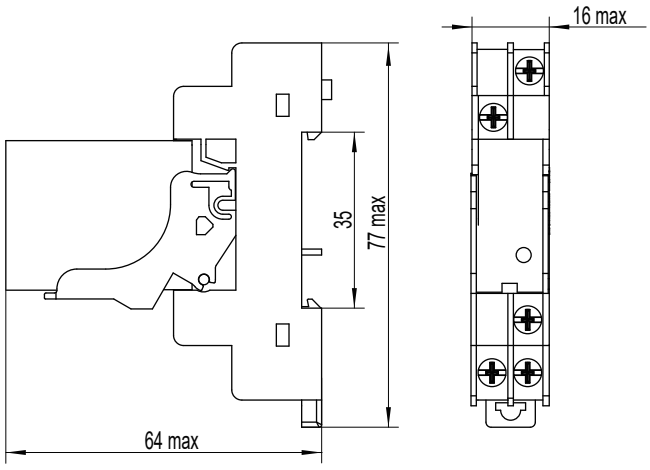
Outline Dimensions



KSOB



KSOB-P

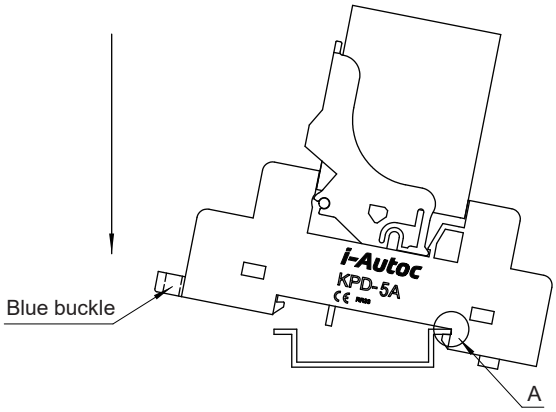


KSOB-D

Installation Diagram

Socket installation:

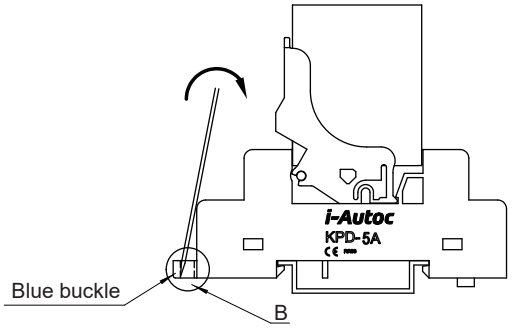
Insert the socket into the din rail from position A and press it in the direction of the arrow for installation, as shown in the installation diagram.



Install

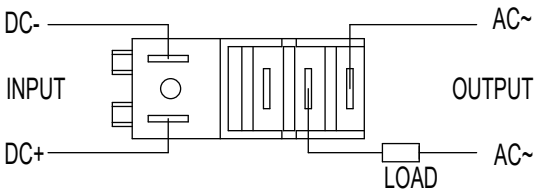
Socket disassembly:

Insert a small flat-head or Phillips screwdriver into socket position B, turn it in the direction of the arrow, lift the socket up, and remove it, as shown in the disassembly diagram.

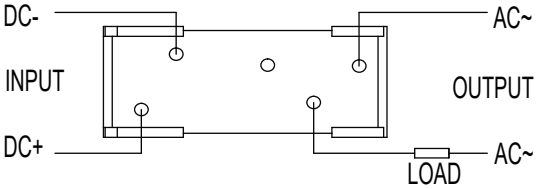


Disassemble

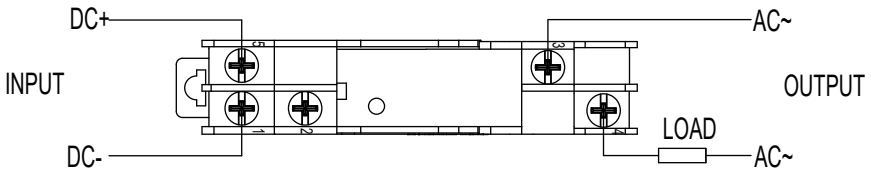
Wiring Diagram



KSOB(Bottom)

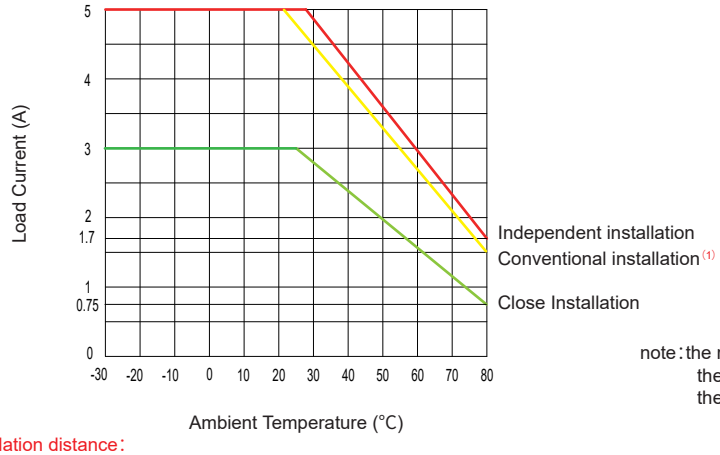


KSOB-P(Bottom)



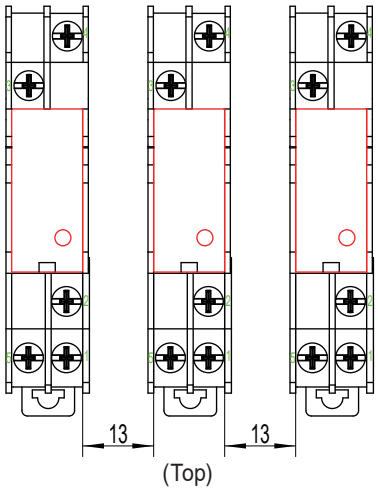
KSOB-D(Top)

Thermal Derating Curve

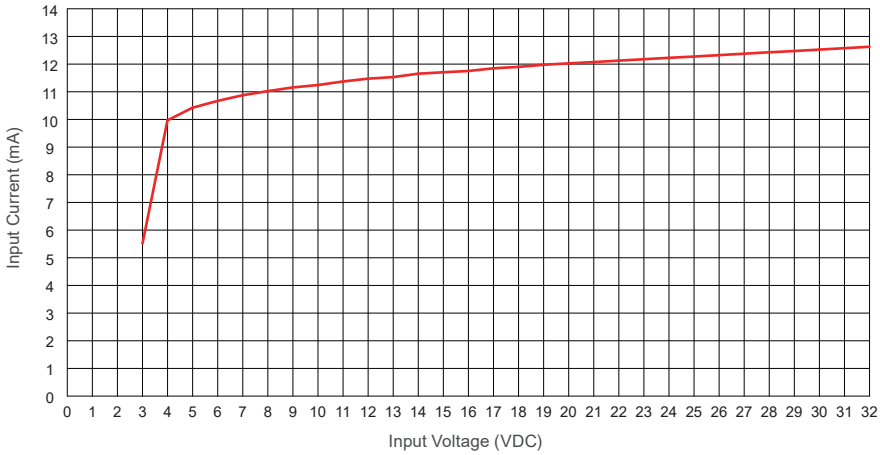


note：the red curve：Independent installation；
the yellow curve：Conventional installation；
the green curve：Close Installation。

Note：(1) Conventional installation distance：



Input Characteristic Curve (@25°C)



General Notes

1. Terminal polarity must be observed. Otherwise, it may cause damage to the relay.
2. When ambient temperature is above 25℃, the maximum load current decreases. See thermal derating curve.
3. When connection wiring to SSR, please ensure screws are torqued down properly. Recommended torque for screw is 8.8/1.0 in-lb/Nm.
4. For products with a base, the recommended installation torque for base wiring is (0.8~1.2)N · m.

! 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.

