Product Description

- Transistor Output
- Control Voltage: 4-32VDC
- Load Voltage: 100VDC
- Load Current: 3A
- Dielectric Strength: 2500Vrms
- RoHS Compliant
- Plug in installation
- Optional base mounting
- Normally Closed Type

Ordering Information

KSODB	100	D	3	-W	D	(XXX)
KSODB Series	Load Voltage 100:100VDC	DC Control	Load Current 3:3Amp	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	4VDC
Must Turn-off Voltage	1.0VDC
Maximum Input Current	18mA（@32VDC）

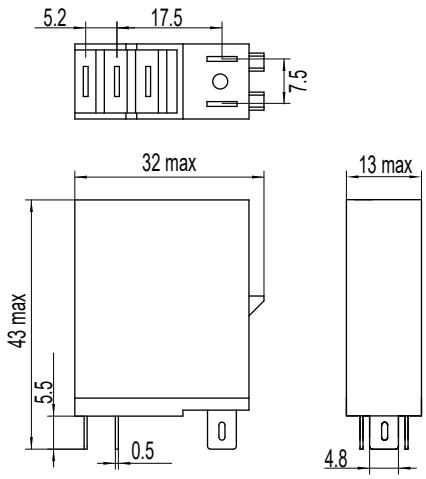
Output Specifications (Ta=25℃)	
Maximum Transient Overvoltage	150Vpk
Load Voltage Range	3-100VDC
Load Current Range	0.1~3A
Maximum Surge Current (@10 ms)	15A
Maximum Turn-on Time	1ms
Maximum Turn-off Time	1ms
Maximum Off-State Leakage Current@Rated Load Voltage	0.1mA
Maximum On-State Voltage Drop@Rated Current	1.3VDC

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

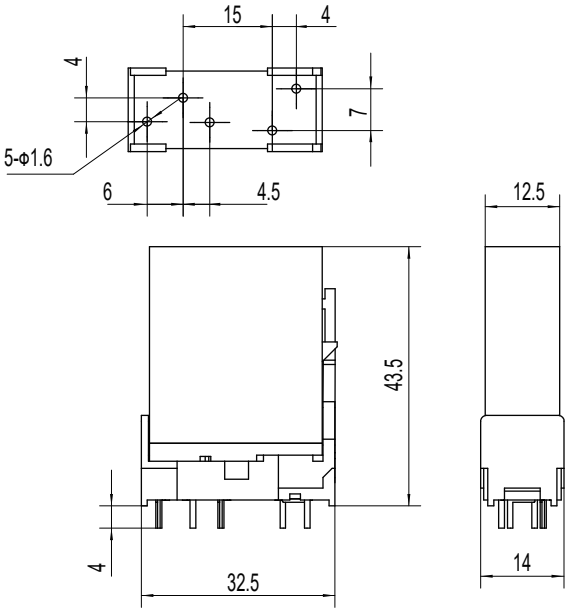
Applications

It is suitable for the isolation and control of weak current to strong current, convenient for all kinds of computers and digital interfaces, widely used in various DC motors, DC power sources and various electromagnetic devices in the field of industrial automation.

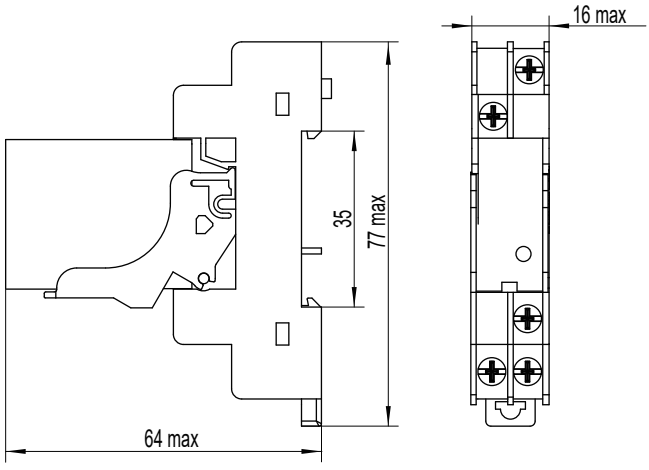
Outline Dimensions



KSODB



KSODB-P

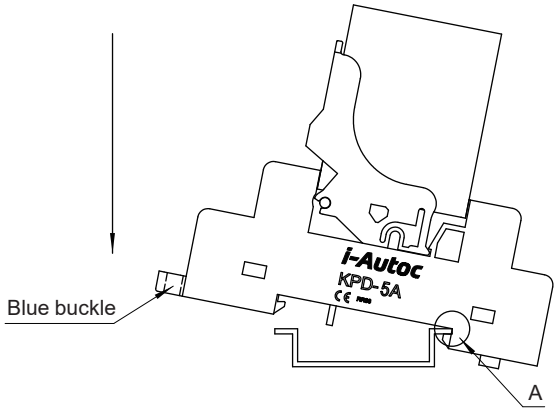


KSODB-D

Installation Diagram

Socket installation:

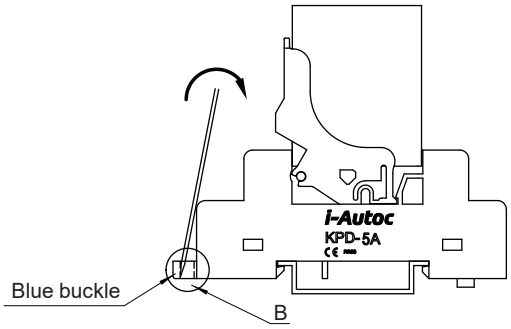
Insert the socket into the din rail from position A and press it in the direction of the arrow for installation, as shown in the installation diagram.



Install

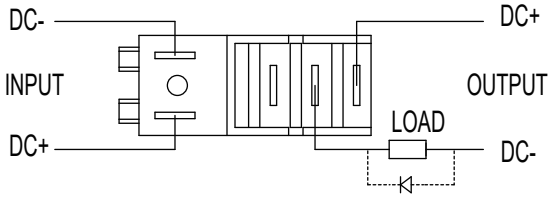
Socket disassembly:

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.

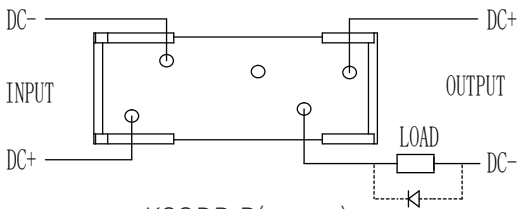


Disassemble

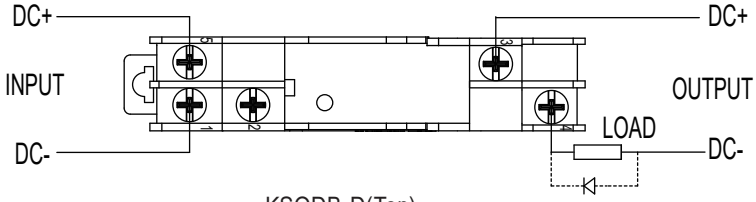
Wiring Diagram



KSODB(Bottom)

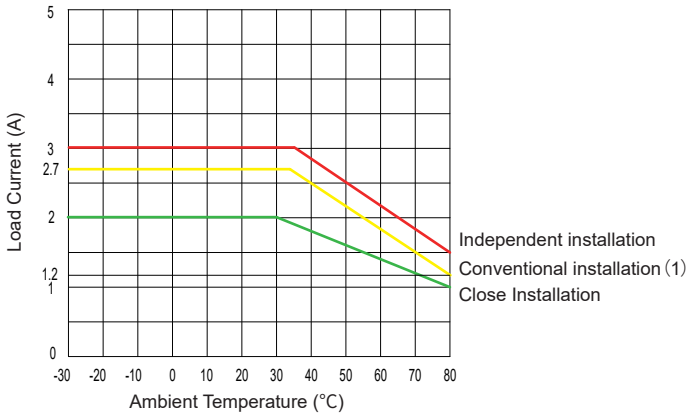


KSODB-P(Bottom)

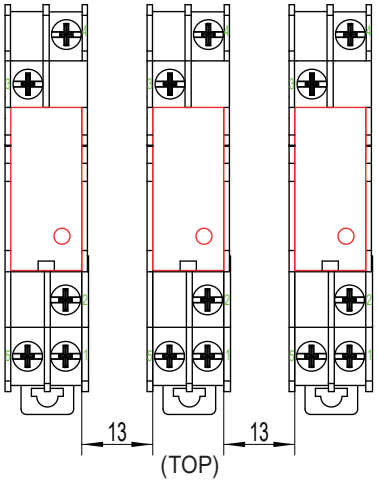


KSODB-D(Top)

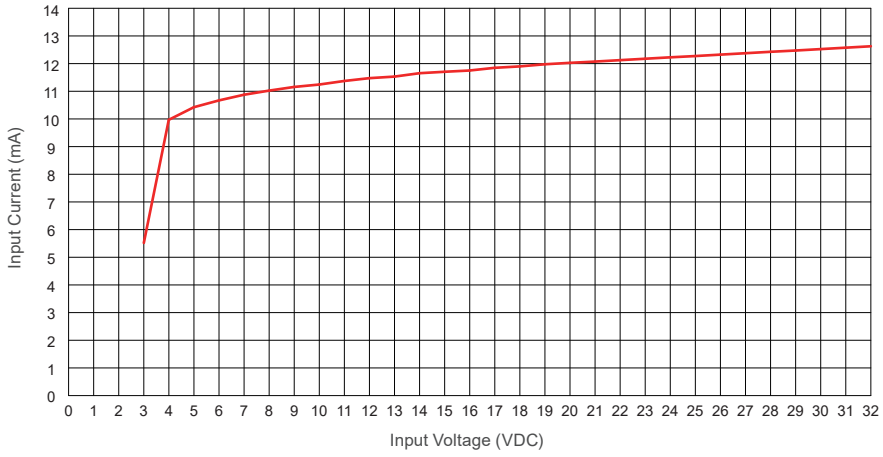
Thermal Derating Curve



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.

