



DESCRIPTION

KS8 is a set of SPST-NO DC output PCB mount Mini-SIP type SSR with alternative DC or AC control. The SSR is specially designed for the interface between computer and peripheral equipment.

FEATURES

- ◆ I/O modules for interface between CPU and external input devices or loads
- ◆ Photoelectric isolation
- ◆ Dielectric strength 2500V
- ◆ PCB mount

PRECAUTIONS

1. Soldering must be completed within 10s at 260°C or 5s at 350°C.
2. The SSR's case serves to dissipate the heat generated by the SSR itself. If poor ventilation is unavoidable, the load current must be derated. Please refer to the curve of Max. Load Current vs. Ambient Temperature for derating.
3. Make sure the wiring of input and output and the input polarity are correct so as to avoid any damage to the SSR.
4. Please do not use the SSR exceeding the limitation which is specified on this datasheet.

SELECTION GUIDE

AC Input	KS8 /	110	A-	24	D	(XXX)
	Type	Control voltage 110: 110VAC 240: 240VAC	Control voltage type A: AC	Load voltage 24: 24VDC	Load voltage type D: DC	Customer special code
DC Input	KS8 /	5-	30	D	1	(XXX)
	Type	Control voltage 5: 5VDC 12: 12VDC 24: 24VDC	Load voltage 30: 30VDC	Load voltage type D: DC	Load current 1: 1A	Customer special code

SPECIFICATIONS (Ta = 25°C)

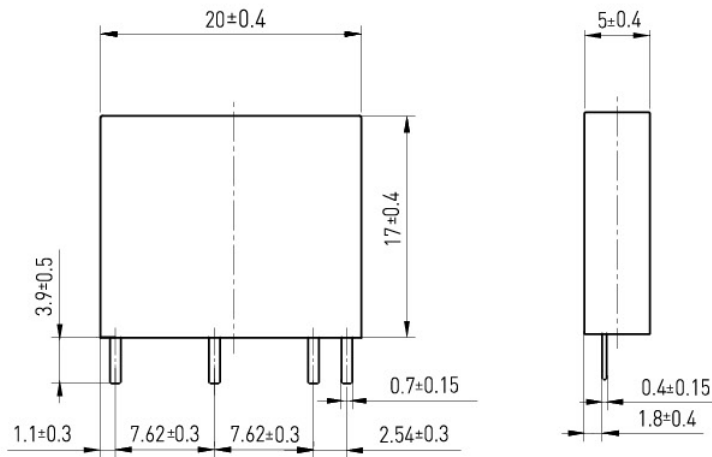
Item		AC Input	
		110VAC	240VAC
Input specifications	Control voltage range	80 ~ 132VAC	190 ~ 265VAC
	Max. input current	2mA (110VAC)	2mA (220VAC)
	Power frequency range	47 ~ 63Hz	
	Must turn-on voltage	80VAC	190VAC
	Must turn-off voltage	40VAC	140VAC
Output specifications	Max. transient voltage	28.8VDC	
	Max. output current	50mA (24VDC)	
	Max. on-state voltage drop	1.5VDC	
Max. turn-on time		25ms	
Max. turn-off time		30ms	
Insulation resistance		1000MΩ (500VDC)	
Dielectric strength		2500VAC, 50Hz/60Hz, 1min	
Operating temperature		-30 ~ 80°C	
Storage temperature		-30 ~ 100°C	
Case color		Black	
Unit weight		Approx. 3.5g	

Item		DC Input	Remarks
Input specifications	Control voltage range	±20% of rated voltage	
	Must turn-on voltage	80% of rated voltage	
	Must turn-off voltage	1VDC	
	Max. input current	20mA (120% of rated voltage)	
Output specifications	Load voltage range	3 ~ 30VDC	
	Max. load current	1.0A	
	Max. surge current (10ms)	2A	
	Max. off-state leakage current	0.1mA	
	Max. on-state voltage drop	1.5VDC	At max. load current
Max. turn-on time		1ms	
Max. turn-off time		1ms	
Insulation resistance		1000MΩ (500VDC)	For input/output
Dielectric strength		2500VAC, 50~60Hz, 1min	
Operating temperature		-30 ~ 80°C	
Storage temperature		-30 ~ 100°C	
Case color		Red	
Unit weight		Approx. 3.5g	

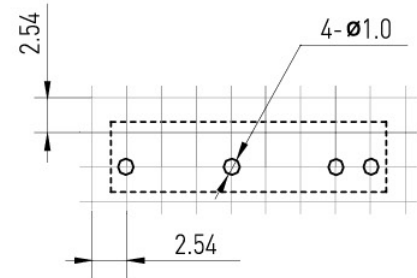
OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT

Unit: mm

Outline Dimensions

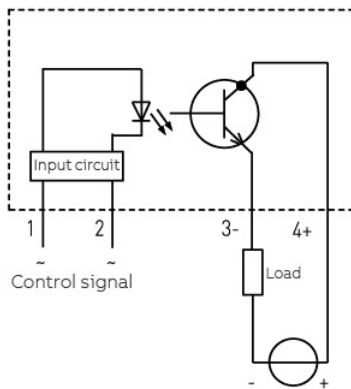


PCB Layout(Bottom view)

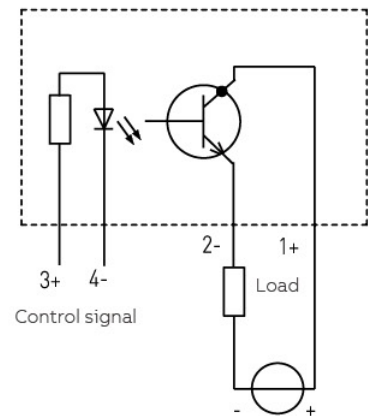


Wiring Diagram

AC Input Type



DC Input Type



PCB Mount

Panel Mount

DIN Rail Mount

Motor Reversing Module

Intelligent SSR

SSR Accessories