



DESCRIPTION

KS73 is an SPST-NO SSR with LED indicator. Pins of the SSR are fully compatible with standard packaged EMR and it is also suitable for DIN-rail installation. KS73 can be applied to the load control for various industries such as electromagnetic valves, single-phase motors, heaters, etc.

FEATURES

- ◆ Excellent thermal design, high load capacity
- ◆ Photoelectric isolation
- ◆ Low on-state resistance
- ◆ Dielectric strength 3750V
- ◆ Pin-compatible with standard package EMR, suitable for Din-rail installation
- ◆ Load current 3A, 5A

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. The specified specifications are based on resistive loads. Please do not use the SSR exceeding the SSR which is specified on this datasheet.

SELECTION GUIDE

KS73/	D-	24	Z	3	-L	(XXX)
Type	Control voltage	Load voltage	Switching mode	Load current	LED indicator	Customer special code
	D: 4-32VDC	24: 240VAC 38: 380VAC	Z: Zero-cross P: Random	3:3A 5:5A	L: Included	

INPUT SPECIFICATIONS (Ta = 25°C)

Control voltage range	4 ~ 32VDC
Must turn-on voltage	4VDC
Max. input current	25mA
Must turn-off voltage	1VDC

OUTPUT SPECIFICATIONS (Ta = 25°C)

	D-24□3	D-38□3	D-24□5	D-38□5
Load voltage	48 ~ 280VAC	48 ~ 440VAC	48 ~ 280VAC	48 ~ 440VAC
Max. transient voltage	600Vpk	800Vpk	600Vpk	800Vpk
Load current (A)	0.1 ~ 3 A		0.1 ~ 5A	
Max. surge current (10ms)	80Apk		140Apk	
Max. I ² t (10ms)	32A ² s		98A ² s	
Max. off-state leakage current	0.1mA			
Max. on-state voltage drop	1.5Vr.m.s.			
Max. Turn-on time	1ms (Random), 1/2 Cycle + 1ms (Zero-cross)			
Max. turn-off time	1/2 Cycle + 1ms			
Min. off-state dv/dt	200V/μs			

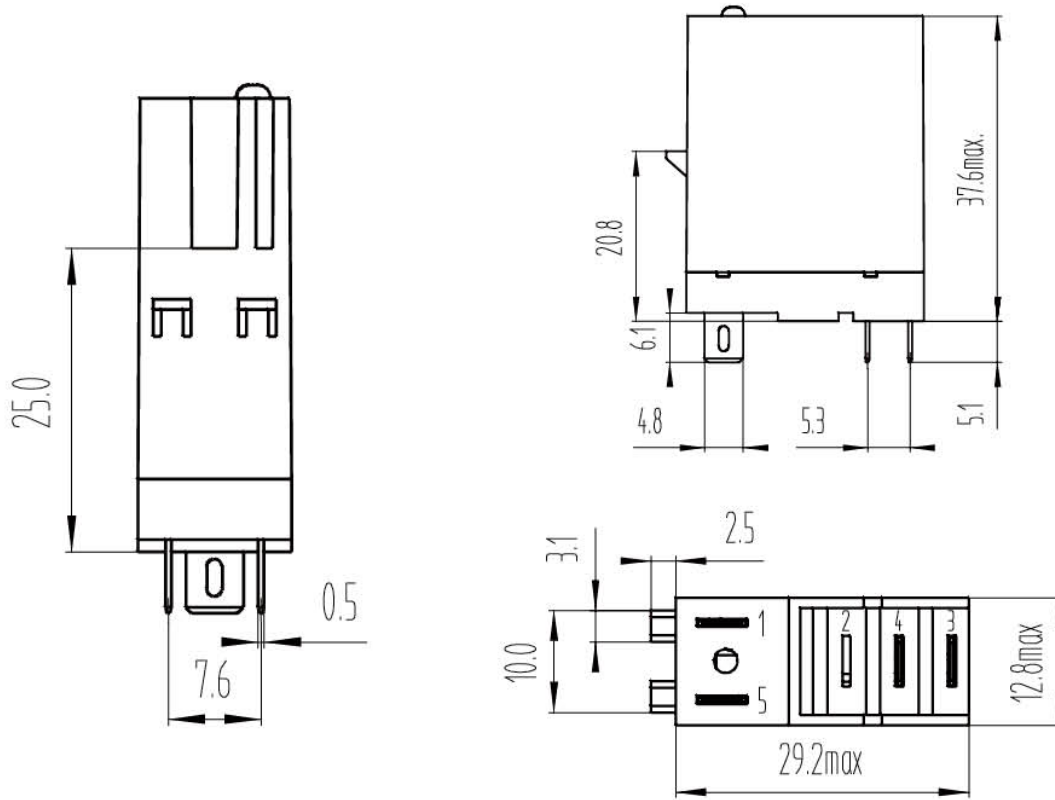
GENERAL SPECIFICATIONS (Ta = 25°C)

Dielectric strength (input/output)	3750VAC, 50~60Hz, 1min
Insulation resistance (input /output)	1000MΩ (500VDC)
Shock resistance	Acceleration speed at 980m/s ² Continuous surge 6ms
Vibration resistance	10~ 55Hz, 1.5mm, DA
Ambient humidity	45% ~ 85% RH
Operating temperature	-30 ~ 80°C
Storage temperature	-30 ~ 100°C
Unit weight	Approx. 30g

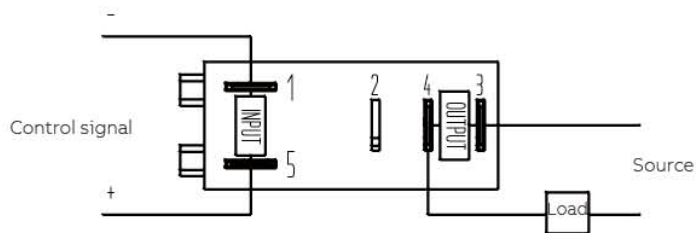
OUTLINE DIMENSIONS & WIRING DIAGRAM

Unit: mm

Outline Dimensions



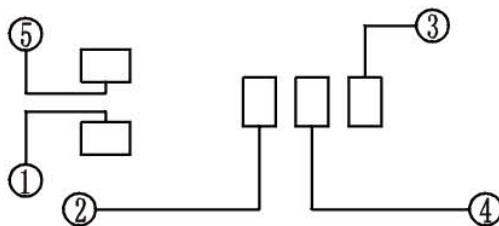
Wiring Diagram (Bottom view)



WIRING DIAGRAM & LAYOUT OF SOCKET

Unit: mm

Socket 157F-1Z-C1



- PCB Mount
- Panel Mount
- DIN Rail Mount
- Motor/Reversing Module
- Intelligent SSR
- SSR Accessories

Socket layout



PERFORMANCE CURVES

