

AC Solid State Relay



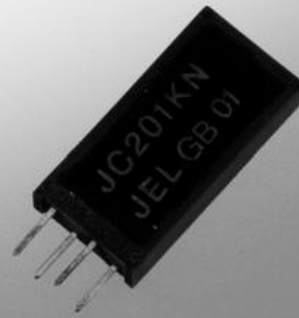
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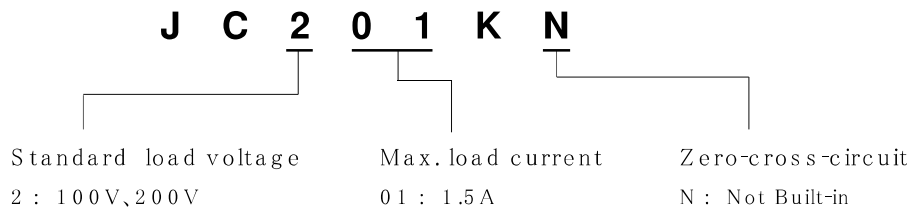


JC201KN SERIES

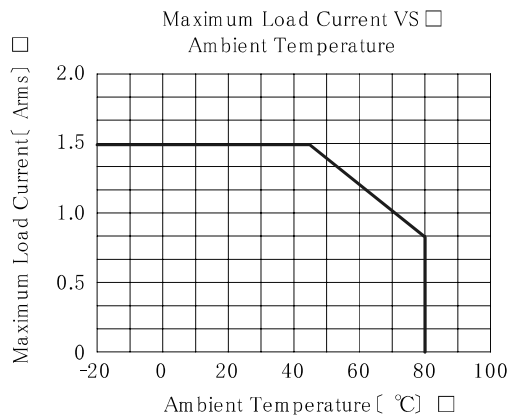
Features

- Miniature size, Higher length
- Max. load current at 1.5 A
- No input resistance and snubber circuit
- Non-zero -cross

Type Information

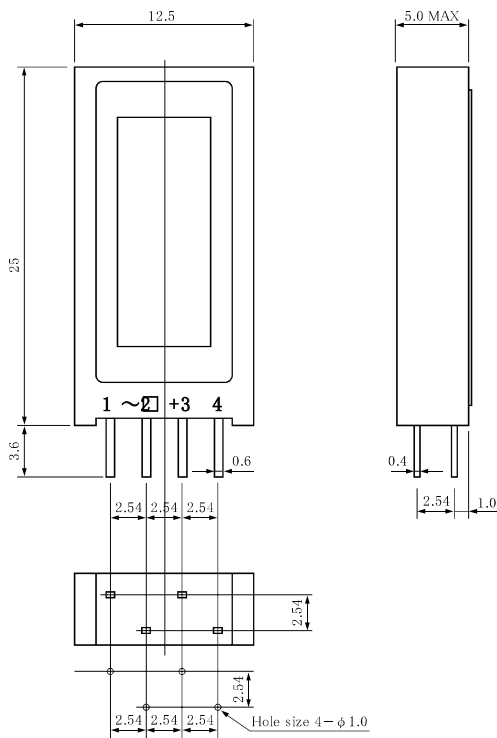


Characteristics



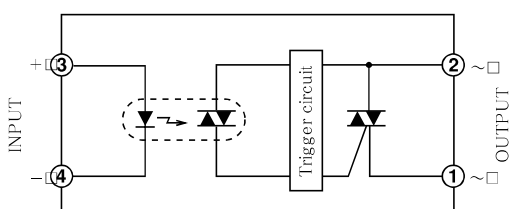
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 ※ Please contact JEL SYSTEM for further information.

Dimensions (mm)



Dimensions For PCB Design

Equivalent Circuit



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■ Ratings

(Ta = 25 °C)

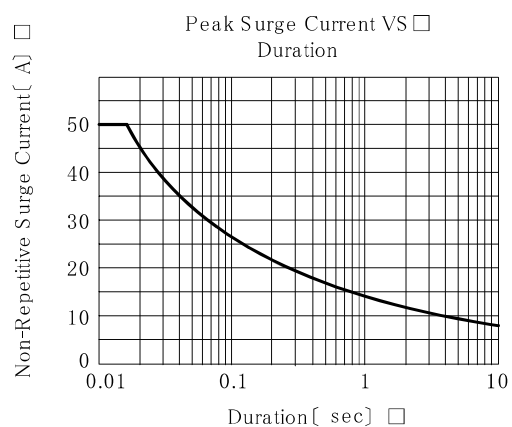
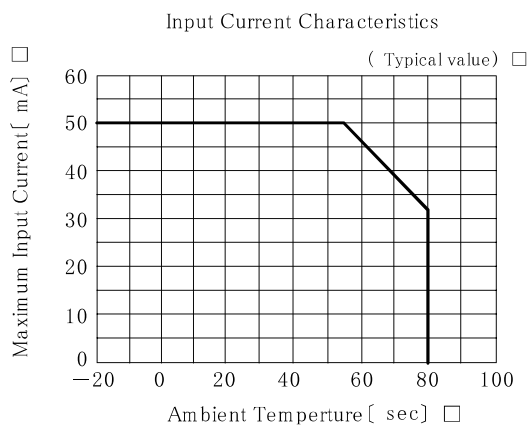
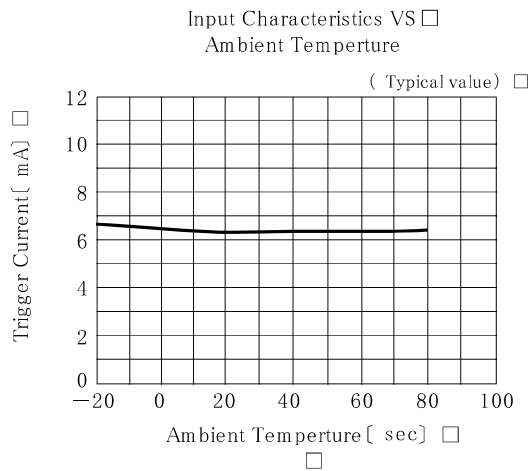
	Item	Symbols	JC201KN	Units
Output	Rated Load Voltage	—	120、240	V _{ACrms}
	Maximum Load Current	I _{OMAX}	1.5	A _{ACrms}
	Maximum Load Voltage	V _{OMAX}	264	V _{ACrms}
	Peak Repetitive Off State Voltage	V _{DRM}	600	V
	Peak 1 Cycle Surge Current	I _{SURGE}	50 (60Hz)	A
	Frequency	f	50、60	Hz
Input	Maximum Input Current	I _{MAX}	50 mA	V _{DC}
	Input Impedance	R _{IN}	—	Ω
General	Dielectric Strength	V _{ISO}	1,500 /1 min.(Between input and output)(Rh40 ~60 %)	V _{ACrms}
	Isolation Resistance	R _{ISO}	10 ¹⁰ and above DC500V(Between input and output)(Rh40 ~60 %)	Ω
	Operating Temperature Range	T _{OPR}	-20 ~+80	°C
	Storage Temperature Range	T _{STG}	-30 ~+100	°C

■ Electrical Characteristics

	Item	Symbols	JC201KN	Units
Output	Load Voltage Range	V _O	24 ~264	V _{ACrms}
	Off State Leakage Current	I _{LEK}	0.1 and below (V ₀ = 200 V)	m A _{ACrms}
	On State Voltage Drop	V _{SAT}	1.5 and below	V _{ACrms}
	Minimum Load Current	I _{OMIN}	10	mA
Input	Input Current Range	I _I	10 ~50 mA	V _{DC}
	Operate Current	I _P	10 mA and below	V _{DC}
	Release Current	I _D	1 mA and above	V _{DC}
General	Operate Time	T _{ON}	1 ms and below	/
	Release Time	T _{OFF}	1/2 Cycle + 1 ms and below	/
	Capacitance	C _{IO}	15 and below	PF
	Zero Cross Turn On		Not Built In	/
	Approved Standards		—	/

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