

JINZON

SOLID STATE RELAY

Solid State Relay (Normal Close)



NC (DC-AC) SERIES



NC (AC-AC) SERIES



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Solid State Relay (Normal Close)

NC (DC-AC) SERIES

NC20C10DA / NC20C15DA / NC20C25DA / NC20C40DA

OUTPUT SPECIFICATIONS

Description	NC20C10DA	NC20C15DA	NC20C25DA	NC20C40DA
Operating Voltage [VAC]	24-280VAC	24-280VAC	24-280VAC	24-280VAC
Maximum Transient Overvoltage [Vpk]	600	600	600	600
Maximum Off-State Leakage Current @Rated Voltage [mA]	Less 3mA	Less 3mA	Less 3mA	Less 3mA
Maximum Surge Current [Adc] (10ms)	100A	150A	250A	400A
Maximum On-State Voltage Drop @ Rated Current [VACrms]	1.5	1.5	1.5	1.5
Maximum Off-State dv/dt [V/uSEC]	500	500	500	500

INPUT SPECIFICATIONS

Description	NC20C10DA	NC20C15DA	NC20C25DA	NC20C40DA
Control Voltage Range[VDC]	4-32	4-32	4-32	4-32
Minimum Turn-on Voltage	4.0	4.0	4.0	4.0
Minimum Turn-off Voltage	1.0	1.0	1.0	1.0
Typical Input Current	15mA	15mA	15mA	15mA
Maximum Turn-on Time [mSec]	8.3m Sec	8.3m Sec	8.3m Sec	8.3m Sec
Maximum Turn-off Time [mSec]	Less 1/2AC cycle	Less 1/2AC cycle	Less 1/2AC cycle	Less 1/2AC cycle

GENERAL SPECIFICATIONS

Description	NC20C10DA	NC20C15DA	NC20C25DA	NC20C40DA
Dielectric Strength , Input-Output Base (50/60Hz)	2500	2500	2500	2500
Dielectric Strength , Input-Output (50/60Hz)	2500	2500	2500	2500
I ² t (t=10ms)A ² s	55A ² S	128A ² S	338A ² S	840A ² S
Ambient Operating Temperature Range	-20°C ~ +80°C	-20°C ~ +80°C	-20°C ~ +80°C	-20°C ~ +80°C
Ambient Storage Temperature Range	-40°C ~ +125°C	-40°C ~ +125°C	-40°C ~ +125°C	-40°C ~ +125°C
Switching Type	Zero Cross	Zero Cross	Zero Cross	Zero Cross
Weight (g)	100g	100g	105g	105g

NC (AC-AC) SERIES

NC20C10AA / NC20C15AA / NC20C25AA / NC20C40AA

OUTPUT SPECIFICATIONS

Description	NC20C10AA	NC20C15AA	NC20C25AA	NC20C40AA
Operating Voltage [VAC]	24-280VAC	24-280VAC	24-280VAC	24-280VAC
Maximum Transient Overvoltage [Vpk]	600	600	600	600
Maximum Off-State Leakage Current @Rated Voltage [mA]	Less 3mA	Less 3mA	Less 3mA	Less 3mA
Maximum Surge Current [Adc] (10ms)	100A	150A	250A	400A
Maximum On-State Voltage Drop @ Rated Current [VACrms]	1.5	1.5	1.5	1.5
Maximum Off-State dv/dt [V/uSEC]	500	500	500	500

INPUT SPECIFICATIONS

Description	NC20C10AA	NC20C15AA	NC20C25AA	NC20C40AA
Control Voltage Range[VDC]	80-280	80-280	80-280	80-280
Minimum Turn-on Voltage	80	80	80	80
Minimum Turn-off Voltage	10	10	10	10
Typical Input Current	15mA	15mA	15mA	15mA
Maximum Turn-on Time [mSec]	8.3m Sec	8.3m Sec	8.3m Sec	8.3m Sec
Maximum Turn-off Time [mSec]	Less 1/2AC cycle	Less 1/2AC cycle	Less 1/2AC cycle	Less 1/2AC cycle

GENERAL SPECIFICATIONS

Description	NC20C10AA	NC20C15AA	NC20C25AA	NC20C40AA
Dielectric Strength , Input-Output Base (50/60Hz)	2500	2500	2500	2500
Dielectric Strength , Input-Output (50/60Hz)	2500	2500	2500	2500
I ² t (t=10ms)A ² s	55A ² S	128A ² S	338A ² S	840A ² S
Ambient Operating Temperature Range	-20°C ~ +80°C	-20°C ~ +80°C	-20°C ~ +80°C	-20°C ~ +80°C
Ambient Storage Temperature Range	-40°C ~ +125°C	-40°C ~ +125°C	-40°C ~ +125°C	-40°C ~ +125°C
Switching Type	Zero Cross	Zero Cross	Zero Cross	Zero Cross
Weight (g)	100g	100g	105g	105g

GENERAL NOTES

- (1) All parameters at 25°C unless otherwise specified
- (2) Dielectric strength and insulation resistance are measured between input and output
- (3) Heat sinking require ,for derating curves see next page.

Specifications subject to change without notice.

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