

## AC SOLID STATE RELAY

**KD40C10AX**  
**KD40C15AX**  
**KD40C25AX**  
**KD40C40AX**  
**KD40C50AX**  
**KD40C75AX**  
**KD40C90AX**  
**KD40C100AX**  
**KD40C125AX**  
**KD40R125AX**

## KD SERIES

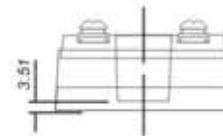
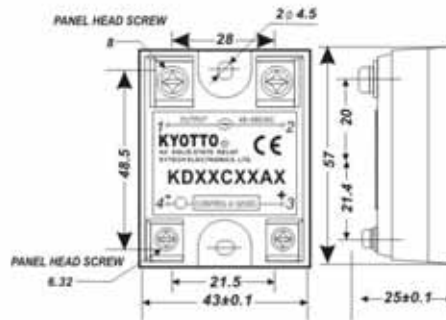


### SPECIFICATIONS

MODEL NO.	CONTROL VOLTAGE RANGE	MUST TURN OFF VOLTAGE	INPUT IMPEDANCE	MAX LOAD CURRENT	LOAD VOLTAGE RANGE	MIN BLOCKING VOLTAGE	MAX OFF-STATE LEAKAGE	FREQUENCY RANGE	MAX 1-CYCLE PEAK SURGE
KD40C10AX	4 TO 32 VDC	MAX 1.0 VDC	1.5 Kohm	10A	48-480VAC	1200VAC	LESS15mA	47-70HZ	100A
KD40C15AX	4 TO 32 VDC	MAX 1.0 VDC	1.5 Kohm	15A	48-480VAC	1200VAC	LESS15mA	47-70HZ	150A
KD40C25AX	4 TO 32 VDC	MAX 1.0 VDC	1.5 Kohm	25A	48-480VAC	1200VAC	LESS15mA	47-70HZ	250A
KD40C40AX	4 TO 32 VDC	MAX 1.0 VDC	1.5 Kohm	40A	48-480VAC	1200VAC	LESS15mA	47-70HZ	400A
KD40C50AX	4 TO 32 VDC	MAX 1.0 VDC	1.5 Kohm	50A	48-480VAC	1200VAC	LESS15mA	47-70HZ	500A
KD40C75AX	4 TO 32 VDC	MAX 1.0 VDC	1.5 Kohm	75A	48-480VAC	1200VAC	LESS15mA	47-70HZ	750A
KD40C90AX	4 TO 32 VDC	MAX 1.0 VDC	1.5 Kohm	90A	48-480VAC	1200VAC	LESS15mA	47-70HZ	900A
KD40C100AX	4 TO 32 VDC	MAX 1.0 VDC	1.5 Kohm	100A	48-480VAC	1200VAC	LESS15mA	47-70HZ	1000A
KD40C125AX	4 TO 32 VDC	MAX 1.0 VDC	1.5 Kohm	125A	48-480VAC	1200VAC	LESS15mA	47-70HZ	1250A
KD40R125AX	4 TO 32 VDC	MAX 1.0 VDC	1.5 Kohm	125A	48-480VAC	1200VAC	LESS15mA	47-70HZ	1250A

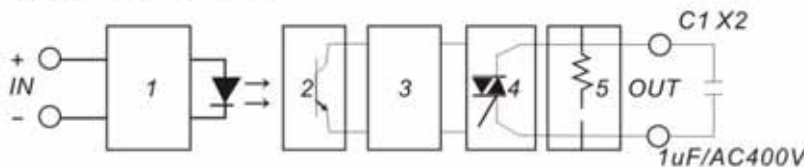
MODEL NO.	MAX OFF STATE $C_{ON}$	MAX ON-STATE VOLTAGE DROP	ISOLATE IMPEDENCE	HEAT CONDUCTANCE INPUT/OUTPUT	HEAT CONDUCTANCE INPUT/VOLTAGE	TURN ON TIME	TURN OFF TIME	CAPACITANCE IN/OUT	WEIGHT (g)
KD40C10AX	200 V/1/2 SEC	2.0VACrms	$10^9$ ohm	4000 VACrms	2500 VAC (rms)	LESS 2 mSec	LESS 1/2 AC CYCLE	LESS 15 PF	92 g
KD40C15AX	200 V/1/2 SEC	2.0VACrms	$10^9$ ohm	4000 VACrms	2500 VAC (rms)	LESS 2 mSec	LESS 1/2 AC CYCLE	LESS 15 PF	92 g
KD40C25AX	200 V/1/2 SEC	2.0VACrms	$10^9$ ohm	4000 VACrms	2500 VAC (rms)	LESS 2 mSec	LESS 1/2 AC CYCLE	LESS 15 PF	100g
KD40C40AX	200 V/1/2 SEC	2.0VACrms	$10^9$ ohm	4000 VACrms	2500 VAC (rms)	LESS 2 mSec	LESS 1/2 AC CYCLE	LESS 15 PF	100g
KD40C50AX	200 V/1/2 SEC	2.0VACrms	$10^9$ ohm	4000 VACrms	2500 VAC (rms)	LESS 2 mSec	LESS 1/2 AC CYCLE	LESS 15 PF	100g
KD40C75AX	200 V/1/2 SEC	2.0VACrms	$10^9$ ohm	4000 VACrms	2500 VAC (rms)	LESS 2 mSec	LESS 1/2 AC CYCLE	LESS 15 PF	100g
KD40C90AX	200 V/1/2 SEC	2.0VACrms	$10^9$ ohm	4000 VACrms	2500 VAC (rms)	LESS 2 mSec	LESS 1/2 AC CYCLE	LESS 15 PF	100g
KD40C100AX	200 V/1/2 SEC	2.0VACrms	$10^9$ ohm	4000 VACrms	2500 VAC (rms)	LESS 2 mSec	LESS 1/2 AC CYCLE	LESS 15 PF	100g
KD40C125AX	1000 V/1/2 SEC	2.0VACrms	$10^9$ ohm	4000 VACrms	2500 VAC (rms)	LESS 2 mSec	LESS 1/2 AC CYCLE	LESS 15 PF	110g
KD40R125AX	1000 V/1/2 SEC	2.0VACrms	$10^9$ ohm	4000 VACrms	2500 VAC (rms)	LESS 2 mSec	LESS 1/2 AC CYCLE	LESS 15 PF	110g

### OUTLINE DIMENSIONS (unit:mm)



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### EQUIVALENT CIRCUIT



- 1.INPUT CIRCUIT
- 2.PHOTO DETECTOR
- 3.ZERO-CROSS CIRCUIT
- 4.OUTPUT CIRCUIT
- 5.PROTECTED CIRCUIT