

CCX SERIES



- ▶ Back to back dual SCR output
- ▶ Ratings up to 5 amps at 660Vac
- ▶ Zero-crossing (resistive loads) or random-fire (inductive loads) output
- ▶ Pinout compatible with standard 0.6" I/O Modules
- ▶ UL, CSA, & VDE approved, CE Compliant



Output Specifications

Voltage range (Vrms)	12-280Vac	48-660Vac
Peak voltage (Vpk, t = 1 min.)	600	1200
Off-state leakage mArms (@ max. line voltage & Ta = 25°C)	0.1	0.1
Output current (Arms) (see derate curve)	5	5
Minimum current (mArms)	60	60
Max. 1 cycle surge current (Apk, Ta = 25°C)	250	250
I ² T (60Hz, ½ cycle)	260	260
Max. forward voltage drop (Vpk @ Imax, Ta = 25°C)	1.4	1.4
Static off-state dv/dt (V/μs, Ta = 25°C)	500	500
Power factor (min.) with max load	0.5	0.5

Input Specifications

Input voltage	3-15Vdc	4-15Vdc
Drop out voltage	1Vdc	1Vdc
Typical input current (@5Vdc)	15 mAdc	15 mAdc
Nominal Input Resistance (Ohms)	300	240
Max. Turn-on time*	1/2 Cycle	
Max. Turn-off time	1/2 Cycle	

* Random SSR's turn on in less than 100μs

General Characteristics

Operating Temperature (°C)	-30 to + 80
Storage Temperature (°C)	-30 to + 125
Input to output isolation	4000Vrms
Input to output capacitance	10pF (typical)
Operating Frequency	47 to 63 Hz
Encapsulation	Thermally Conductive Epoxy
Weight (typical)	0.4 oz. (11g)

Standards of Compliance

CE Compliant with the LVD 73/23/EEC
UL Recognized
CSA Certified
VDE Approved

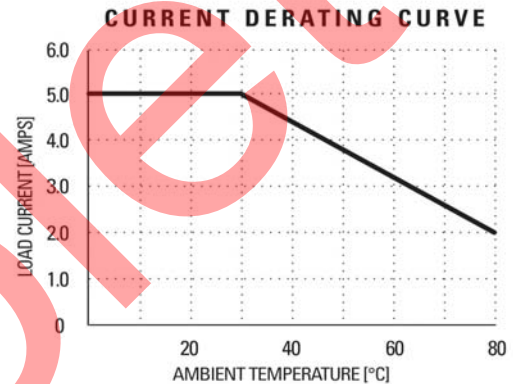
Part Numbers

Zero-Crossing Output (resistive loads)

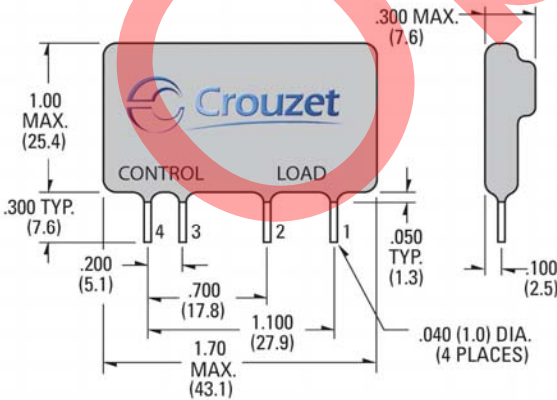
Rating	Output	Input	Part Number
5 Amp	12-280Vac	3-15VDC	CCX240D5
5 Amp	48-660Vac	4-15VDC	CCX480D5

Random Fire Output (inductive loads)

Rating	Output	Input	Part Number
5 Amp	12-280Vac	3-15VDC	CCX240D5R
5 Amp	48-660Vac	4-15VDC	CCX480D5R



Max. Load Current vs. Temp.



PIN 1: AC LOAD
PIN 2: AC LOAD
PIN 3: +DC CONTROL
PIN 4: -DC CONTROL

All dimensions are in inches (millimeters)