

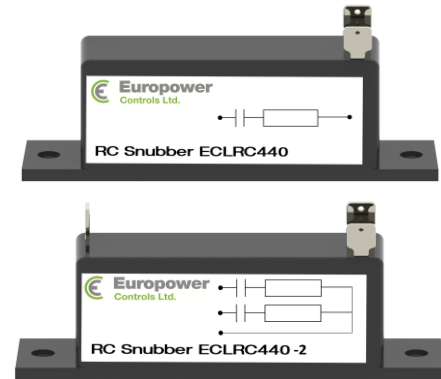
## Single and dual RC snubbers

### Description:

A range of RC snubbers suitable for a broad range of circuit protection applications.

The RC snubbers are mounted in a potted box with 6.3mm push on tabs for easy connection to the circuit. The devices have 80mm fixing centers so can be easily mounted alongside industry standard thyristor and diode modules.

The range of RC snubbers are suitable for 50Hz/60Hz operation with resistive loads.



Images shown are computer generated, for accurate package information please see product drawing

### Product Highlights

- ✓ 80mm fixing centres
- ✓ Compact package
- ✓ 440Vrms rating (690Vrms available upon request)

### Applications

- ✓ Thyristor protection in AC and DC circuits
- ✓ Diode Protection
- ✓ Output filters

### Component Data:

Product Reference	Configuration	Resistance Value (Ohms) +/- 10%	Max. Power Dissipation (W)	Capacitance Value (uf) +/- 10%	Maximum working voltage (Vrms)	Varistor nominal voltage (Vrms)	Maximum varistor energy (J)		Dimension figure.	Circuit configuration
							10/1000us	2ms		
ECLRC440	Single RC	56	10	0.22	440		N/A		1	A
ECLRC440-2	Dual RC	56	10	0.22	440		N/A		2	B

Humidity max.	50% RH @ 35 C / 90% RH @ 20 C
Pollution degree:	III
Isolation:	2500Vrms / 1min
Operation temperature:	-25C to 80C

Mounting position:	Any
Approx weight:	70grms (single) / 76grms (Dual)

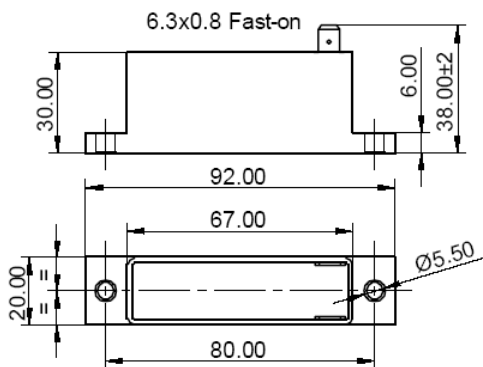
(1) The voltages shown are for general phase control applications in W1C circuits.

(2) Typical voltage for general purpose rectifier circuits

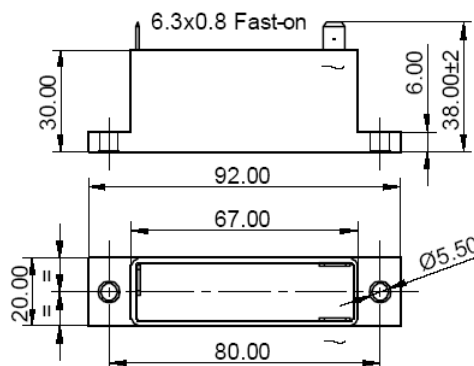
ATTENTION: for continuous operation near to 90 deg phase angle a larger power loss will occur, please consult the factory in these circumstances to see if the device is suitable for the application

**Product Drawings:**

Single RC snubber

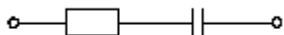


Dual RC snubber

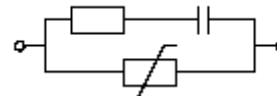


**Circuit Configurations:**

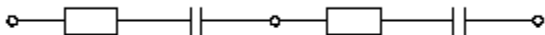
Single RC type (A)



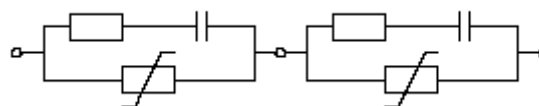
Single RC and Varistor type (C)



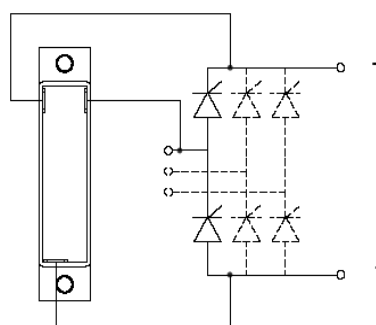
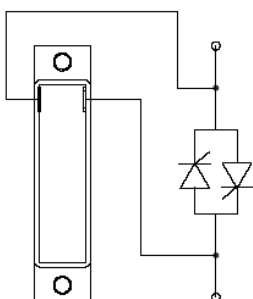
Dual RC type (B)



Dual RC and Varistor type (D)



**Typical Applications:**



## Standard Product List

Product Reference	Configuration	Resistance Value (Ohms)	Max. Power Dissipation (W)	Capacitance Value (uf)	Maximum working voltage (Vrms)	Varistor nominal voltage (Vrms)	Maximum varistor eneECLy (J)		Dimension figure.	Circuit configuration
							10/1000us	2ms		
ECLRC440/150T	Single RC	150	6	0.068	440 (1)	N/A			1	A
ECLRC440	RC	56	10	0.22	440 (1)					
ECLRC440-2/150T	Double RC	150	6	0.068	440 (2)	N/A			2	B
ECLRC440-2	RC	56	10	0.22	440 (2)					
ECLRCV0.068/150-130T	Single RC and Varistor	150	6	0.068	125 (1)	130	79	57	1	C
ECLRCV0.068/150-250T					230 (1)	250	134	96		
ECLRCV0.068/150-460T					400 (1)	460	203	145		
ECLRCV0.068/150-500T					450 (1)	500	268	192		
ECLRCV0.068/150-550T					500 (1)	550	308	216		
ECLRCV0.22/56-130T	Single RC and Varistor	56	10	0.22	125 (1)	130	79	57	1	C
ECLRCV0.22/56-250T					230 (1)	250	134	96		
ECLRCV0.22/56-460T					400 (1)	460	203	145		
ECLRCV0.22/56-500T					450 (1)	500	268	192		
ECLRCV0.22/56-550T					500 (1)	550	308	216		
2ECLRCV0.068/150-130T	Dual RC and Varistor	150	6	0.068	125 (2)	130	79	57	2	D
2ECLRCV 0.068/150-250T					230 (2)	250	134	96		
2ECLRCV0.068/150-460T					400 (2)	460	203	145		
2ECLRCV 0.22/56-130T	Dual RC and Varistor	56	10	0.22	125 (2)	130	79	57	2	D
2ECLRCV0.22/56-250T					230 (2)	250	134	96		
2ECLRCV0.22/56-460T					400 (2)	460	203	145		
ECLRC0.1/150T-2kV	Single RC	150	6	0.1	750 (1)	N/A			1	A
ECLRC0.1/56T-2kV		56	10		1000 (1)					
ECLRC0.1/75T-2kV		75	18		1300 (1)					

(1)-Typical voltages suggested for phase control applications in WIC circuits

(2)- Typical voltages suggested for phase control applications in rectifier circuits

### Notes and safety:

- Information within this data sheet can change without notice and at any time, for up to date information please contact Europower Controls Ltd
- For non-resistive loads please check RC specification prior to purchase to ensure the chosen device is suitable for your application
- For non-standard frequencies (50/60Hz) please check RC specification prior to purchase to ensure the chosen device is suitable for your application
- Electrical equipment should be operated and serviced by a fully qualified person, using equipment when connected to an electricity supply can be dangerous. Improper use or handling may result in injury or death.

**NOTICE:** The technical data is to specify components, not to guarantee their properties. No warranty or guarantee expressed or implied is made regarding delivery or performance. The Company reserves the right to alter without prior notice the specification of any product. Information concerning possible methods of use is provided as a guide only and does not constitute any guarantee that such methods of use will be satisfactory in a specific piece of equipment. It is the user's responsibility to fully determine the performance and suitability of any equipment using such information and to ensure that any publication or data used is up to date.