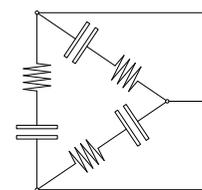


# N3

## Threephase RC unit (Delta configuration)



### Main applications

Elimination of sparks and transient phenomena in switching circuits, radio interference suppression

### Mounting

RC units can be mounted in parallel with the contacts to be protected or in parallel with the inductive load

### Coating

Solvent resistant plastic case (UL 94 V-1 minimum) with resin sealing (UL 94 V-0). Flame retardant execution

### Construction

The capacitor is made with extended metallized film (refer to general technical information). The capacitor and the resistor are connected in series in delta configuration

### Terminals

Cylindrical execution: M8 brass screws or stranded insulated copper terminals. Parallelepipedal execution: stranded insulated copper terminals

### Reference standard

IEC60068, RoHS compliant

### Climatic category

25/85/56 (IEC 60068/1), HPF (DIN 40040)

### Operating temperature range

-25°...+85°C

### Rated capacitance (Cr)

0,22μF to 0,47μF. Other values available upon request

### Capacitance tolerance (at 1kHz)

±10% (code=K), ±20% (code=M). Other tolerances upon request

### Rated resistance (Rr)

10Ω to 22Ω, Other values available upon request

### Power rating of resistor

Standard= 3W, other values available upon request

### Rated AC voltage 50+60Hz

500Vac for cylindrical execution (Style C), 750Vac for parallelepipedal execution (Style P); sinusoidal

### Test voltage between terminals (Ut)

1,6 xUr (DC) applied for 2s at 25±5°C

### Test voltage between terminals and case (Utc)

5kV 50+60Hz applied for 2 sec. at 25±5°C

### Resistance code:

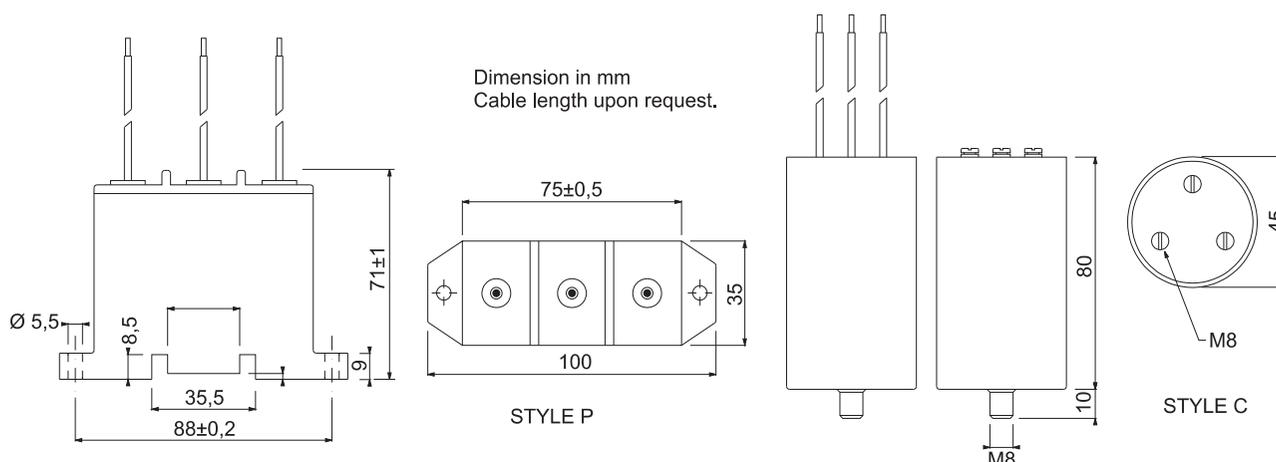
The four digits indicating the resistance code are used as follows:

1<sup>st</sup> digit= power of the resistor code: A=1/4W, B= 1/2W, C= 1W, D= 2W, **E= 3W (std.)**, F= 4W; G= 5W, H=10W, I=9W.

2<sup>nd</sup> digit= for R≥ 10Ω indicates the number of zero to be added to the two significant figures of the resistance value expressed in Ω, for 1 ≤R< 10Ω it is= R.

3<sup>rd</sup> and 4<sup>th</sup> digits = the two significant figures of the resistance value.

Examples: 22Ω 3W= E022; 100Ω 5W= G110; 4,7Ω 10W= HR47



### N3 article table

Ur Vac	Cap. (μF)	Execution	Style	ICEL ordering code <sup>(1)</sup>
500	0,22	Cylindrical	Style C	N33220C*XXXX#&
500	0,33	Cylindrical	Style C	N33330C*XXXX#&
500	0,47	Cylindrical	Style C	N33470C*XXXX#&
750	0,22	Parallelepipedal	Style P	N33220P*XXXX#&
750	0,33	Parallelepipedal	Style P	N33330P*XXXX#&
750	0,47	Parallelepipedal	Style P	N33470P*XXXX#&

<sup>(1)</sup>Change the \* symbol with the needed capacitance tolerance code: K=±10%, M=±20% (M= std.)

Change the # symbol with the terminals execution

D=style C with 200±15mm flexible wires

F=style C with screw connections

A=style P with 500±25mm flexible wires

& = free character for possible additional information

E=style C with M8 fixing stud and 200±15mm flexible wires

G=style C with M8 fixing stud and screw connections

V=style P with M5 screw connections (upon request)

Change XXXX digits with the resistance code

**Warning: this specification must be completed with the data given in the "General technical information" chapter**