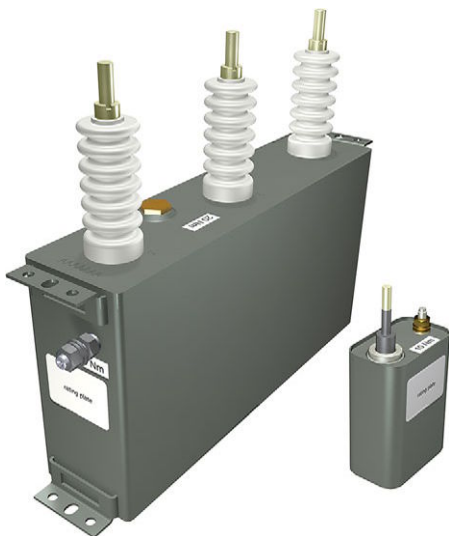


## Zinc Oxide RC-Surge Suppressor (ZORC) Capacitors, for HV-Motor and Transformers



### FEATURES

- ZORC's are RC surge suppressors with included varistors
- ZORC's will protect transformers and motors from insulation failures
- ZORC's will reduce significant the expenses for maintenance and insulation failures of motors and transformers
- ZORC's will eliminate connected with vacuum and other switchgears, all multiple striking (re- and pre-) transients
- So ZORC's prevents high frequency currents at zero in the contact gap of the switch

### APPLICATIONS

- ZORC's are optimized to be mounted inside the motor or transformer terminal boxes to be connected to each phase and earth
- ZORC's will protect vacuum and other switchgears
- Surge suppression

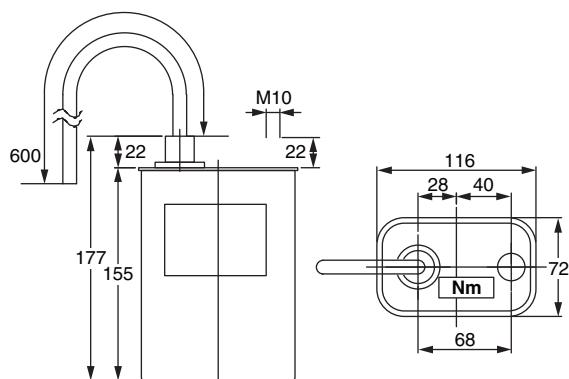
### QUICK REFERENCE DATA

Series	Zorc
Description	Zinc oxide RC-surge suppressor (ZORC) for HV-motor and transformers
Type	Zoaso
Technology	All-film polypropylene / aluminum foil, MKP
Voltage min. (V)	1000
Voltage max. (V)	11 000
Frequency min. (Hz)	50
Frequency max. (Hz)	60
Capacitance min. (μF)	0.1
Capacitance max. (μF)	0.6

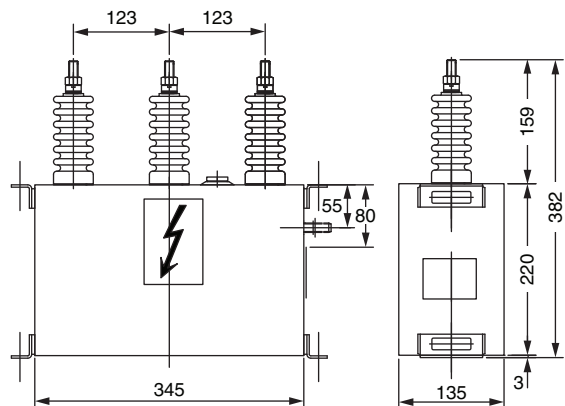
### TECHNICAL DATA

Rated frequency	50 Hz or 60 Hz (other frequencies on request)
Insulation class	3.3 kV to 11 kV
Internal connection	Live case, star, or delta
Temperature category	-25 °C to +50 °C
Capacitance tolerance	-5 % / +10 %
Dielectric	All-film polypropylene / aluminum foil
Impregnating agent	Synthetic oil (non-PCB)
Standards	IEEE and CIGRE for motor impulse withstand levels
Bushings	Porcelain, welded type, M10 / M12
Casing	Stainless steel
Standard color	RAL 7033 / other colors available upon request
Erection	Indoor

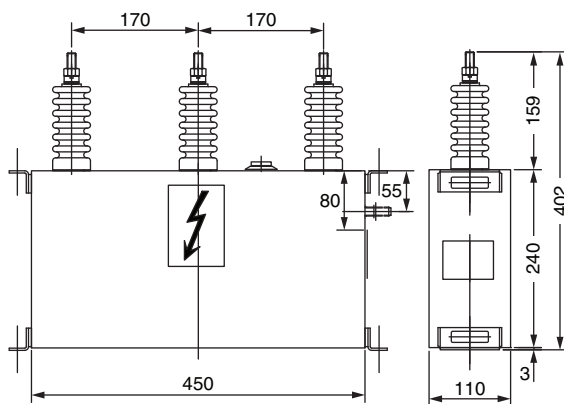
## FORMS OF CONSTRUCTION



Form 1



Form 2



Form 3

## CORROSION PROTECTION

Case material: stainless steel case AISI 409 (AISI 304 as option)

Thickness of material 1.5 mm, top cover and bottom 2.0 mm

## DIMENSION AND WEIGHT

ZORC RC-SURGE SUPPRESSOR CAPACITORS 50 Hz / 60 Hz, IP00, INDOOR					
RATED VOLTAGE $U_N$ (kV)	$C_N$ ( $\mu$ F)	PH	CASING DIMENSIONS L x W x H (mm)	WEIGHT (kg)	FORM
3.3	0.1	1	116 x 72 x 155	2	1
6.6	0.1	1	116 x 72 x 155	2	1
3.3	3 x 0.2	3	345 x 135 x 220	17	2
6.6	3 x 0.2	3	345 x 135 x 220	19	2
11	3 x 0.2	3	450 x 110 x 240	20	3



TYPE NOMENCLATURE						
<div><div><div>Z</div><div>o</div><div></div><div>s</div><div>o</div><div>3.3</div><div>/</div><div>0.1</div></div><div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div><div>6</div><div>7</div></div></div>						
1	2	3	4	5	6	7
Zinc oxide	a = all film dielectric	f: outdoor n. E.: indoor	s: live casing n. E.: dead casing	o: non PCB impregnating agent	Rated voltage (kV)	Rated output (kvar) Rated capacitance (μF)

**Note**

- n. E. = no entry



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