High Voltage AC Power Capacitors
3-Phase Capacitor Banks IP55

FEATURES

- Latest technology
- High quality materials
- Low losses design
- Dielectric liquid biodegradable
- Absolutely safe against animal effects
- Avoiding directly contact to live parts
- Turnkey solution

APPLICATIONS

- Power factor correction
- Motor compensation
- Harmonic filtering
- Industrial converter
- Thermal power station
- Solar
- Wind

QUICK REFERENCE DATA	
Series	C/... HVAC capacitors banks 3ph IP55
Description	Power capacitors IP55, indoor / outdoor
Type	3-phase capacitor banks up to 12 kV
Technology	All-film polypropylene / aluminum foil
Voltage min. (V)	1000
Voltage max. (V)	12 000
Frequency min. (Hz)	50
Frequency max. (Hz)	60
Output min. (kvar)	50
Output max. (kvar)	6840

TECHNICAL DATA	
Rated frequency	50 Hz or 60 Hz
Insulation class	Up to 12 kV
Internal connection	Dead case
Discharge resistor	Yes
Temperature category	-50 °C to +55 °C
Capacitance tolerance	-5 % / +10 %
Dielectric	All-film polypropylene / aluminum foil
Protection	Pressure or unbalance monitoring device
Impregnating agent	Synthetic oil (non-PCB)
Standards	IEC 6087-1, ANSI/IEEE 18, CSA C22.2 No. 190, capacitor in accordance with other standards available upon request
Bushings	Cable gland KV-PG 68, sealing with hot shrink-fit method
Casing	Stainless steel
Standard color	RAL 7033 / other colors available upon request

For technical questions, contact: esta@vishay.com
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FORMS OF CONSTRUCTION

Form 1
Maximum voltage: 7.2 kV
Pressure monitoring device

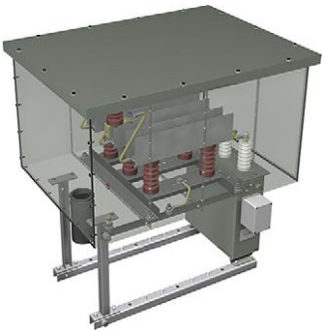
Form 2
Maximum voltage: 12 kV
Pressure monitoring device

Form 3
Maximum voltage: 7.2 kV
Unbalance monitoring device

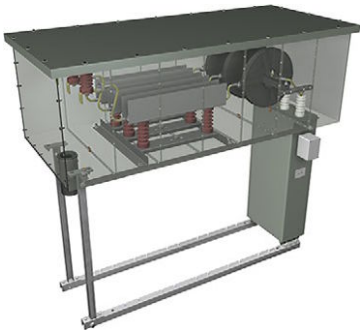
Form 4
Maximum voltage: 12 kV
Unbalance monitoring device

Form 5
Maximum voltage: 7.2 kV
Unbalance monitoring device

Form 6
Maximum voltage: 12 kV
Unbalance monitoring device



Extension: HH
Additional with HH fuses



Extension: HH / LD
Additional with HH fuses and current inrush reactors

CORROSION PROTECTION

Case: stainless steel, 3 layer painting

Frames: hot dip galvanized, 70 µm

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DIMENSION AND WEIGHT

CAPACITOR BANK UP TO 7.2 kV, 50 Hz / 60 Hz, IP55, INDOOR AND OUTDOOR								
RATED VOLTAGE U_N (kV)	OUTPUT Q_n AT 50 Hz (kvar)	OUTPUT Q_n AT 60 Hz (kvar)	IMPULSE (kVp)	CURRENT AT 50 Hz (A)	CURRENT AT 60 Hz (A)	BANK DIMENSIONS L x W x H (mm)	WEIGHT (kg)	FORM
7.2	50	60	60	4	5	525 x 604 x 655	35	1
7.2	100	120	60	8	10	525 x 604 x 685	38	1
7.2	200	240	60	16	19	525 x 604 x 825	50	1
7.2	300	360	60	24	29	525 x 604 x 985	60	1
7.2	500	600	60	40	48	525 x 604 x 1110	80	1
7.2	700	840	60	56	67	525 x 604 x 1365	110	1
7.2	1000	1200	60	80	96	525 x 1100 x 950	155	3
7.2	1800	2160	60	144	173	525 x 1100 x 1130	250	3
7.2	2300	2760	60	184	221	525 x 1100 x 1330	310	3
7.2	3300	3960	60	265	318	525 x 1733 x 1065	450	5
7.2	4800	5700	60	385	457	525 x 1733 x 1365	615	5

CAPACITOR BANK UP TO 12 kV, 50 Hz / 60 Hz, IP55, INDOOR AND OUTDOOR								
RATED VOLTAGE U_N (kV)	OUTPUT Q_n AT 50 Hz (kvar)	OUTPUT Q_n AT 60 Hz (kvar)	IMPULSE (kVp)	CURRENT AT 50 Hz (A)	CURRENT AT 60 Hz (A)	BANK DIMENSIONS L x W x H (mm)	WEIGHT (kg)	FORM
12	50	60	60	2	3	675 x 604 x 890	47	2
12	100	120	60	5	6	675 x 604 x 950	50	2
12	200	240	60	10	12	675 x 604 x 980	62	2
12	300	360	60	14	17	675 x 604 x 1135	74	2
12	500	600	60	24	29	675 x 604 x 1440	97	2
12	700	840	60	34	40	675 x 604 x 1710	120	2
12	1000	1200	60	48	58	675 x 1100 x 1685	262	4
12	1800	2160	60	87	104	675 x 1100 x 1455	285	4
12	2500	3000	60	120	144	675 x 1100 x 1666	337	4
12	3300	3960	60	159	191	675 x 1733 x 1285	455	6
12	5700	6840	60	274	329	675 x 1733 x 1785	695	6

TYPE NOMENCLATURE

C	/	7.2	/	700	/	50	/	D	/	U	/	HH	/	LD	/	K
1		2		3		4		5		6		7		8		9

1	2	3	4	5	6	7	8	9
C: compensation	Voltage in kV	Rated power in kvar or Mvar	Frequency in Hz	D: pressure monitoring device n. E.: no entry / no device	U: unbalance monitoring device n. E.: no entry / no device	HH: HH fuse n. E.: no entry / no device	LD: current limiting reactor n. E.: no entry / no device	K: IP55 capacitor

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