Line Frequency Capacitors 50 Hz / 60 Hz
Self-Healing Technology

FEATURES

- Self-healing technology
- High quality materials
- Over pressure switch
- Massive connection studs (M12 or M20)

APPLICATIONS

- Induction furnaces and heaters
- Improve power factor
- Tune special furnace circuits

STANDARDS

- IEC CEI 60110-1

Note

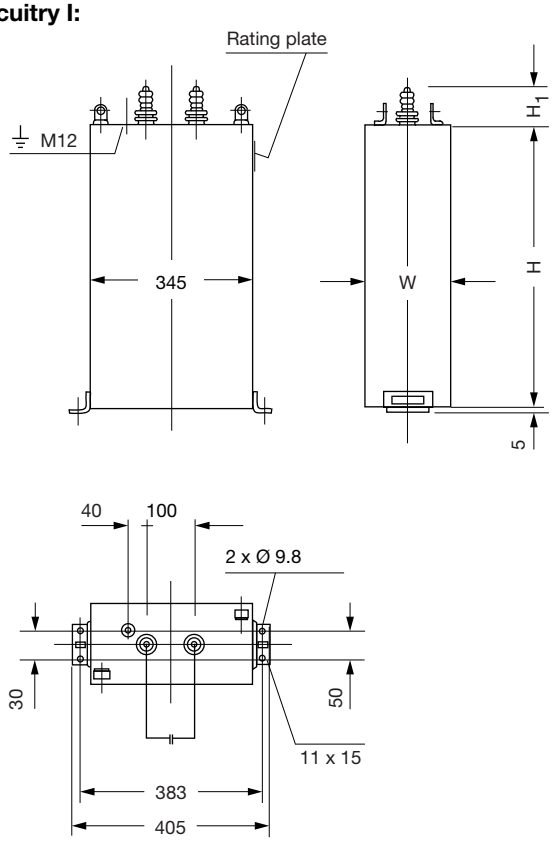
- Capacitor in accordance with other standards available upon request

QUICK REFERENCE DATA	
Series	PhMKP… line frequency
Description	Line frequency capacitors, indoor
Type	Capacitors, induction heating
Technology	Self-healing / metallized polypropylene film
Voltage min. (V)	200
Voltage max. (V)	900
Frequency min. (Hz)	50
Frequency max. (Hz)	60
Output min. (kvar)	10
Output max. (kvar)	675

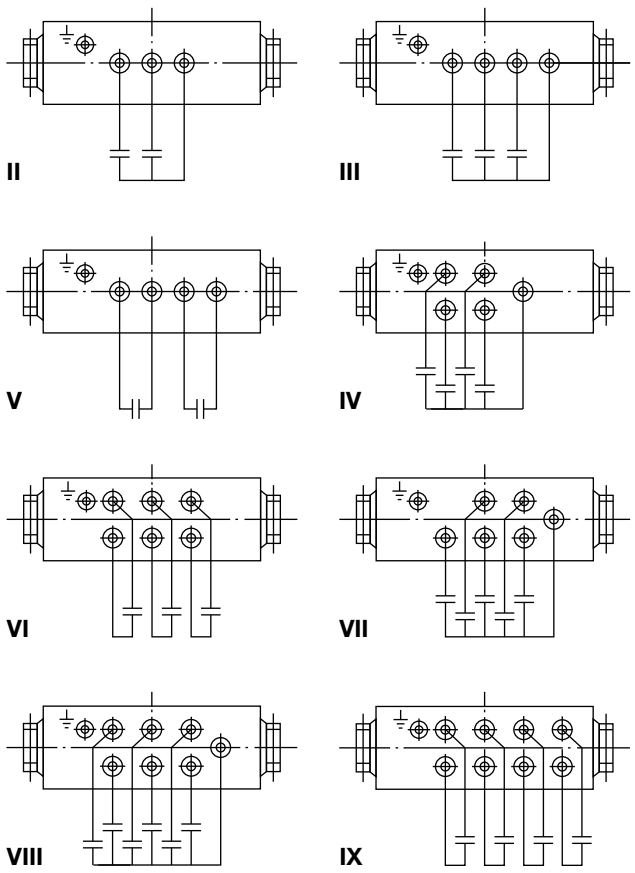
TECHNICAL DATA	
Internal connection	Single phase (dead case), Circuitry I to IX
Discharge resistor	Available
Temperature category	-25 °C to +45 °C
Capacitance tolerance	-5 % / +5 %
Dielectric	Metallized polypropylene film
Impregnating agent	Castor oil; wet / resin; dry
Protection	Pressure monitoring device
Standards	IEC CEI 60110-1
Cooling system	Self-cooling, water-cooled capacitors can be supplied upon request
Bushings	Porcelain, screw type, M12 / M20
Casing	Stainless steel / brass sheet welded
Mounting	Upright or horizontally position
Standard color	RAL 7033 / other colors available upon request

FORMS OF CONSTRUCTION

Circuitry I:



Additional Circuitry Versions:



Standard case dimensions: 345 mm x 135 mm / 175 mm x H mm (other dimensions upon request)

DIMENSIONS AND WEIGHT						
RATED VOLTAGE U_N (V)	OUTPUT Q_n AT 50 Hz (kvar)	CURRENT AT 50 Hz (A)	BUSHING	CASING DIMENSIONS L x W x H (mm)	WEIGHT (kg)	CIRCUITRY
200	200	1000	M12	345 x 135 x 900	65	VII
250	250	1000	M12	345 x 135 x 720	53	VII
400	400	1000	M12	345 x 135 x 650	49	VII
500	500	1000	M12	345 x 135 x 910	66	VII
600	510	850	M12	345 x 135 x 970	69	VII
800	600	750	M12	345 x 135 x 750	55	VII
900	630	700	M12	345 x 135 x 910	66	VII

Notes

- 60 Hz on request
- Shown are the maximum power ratings.
  Other ratings, voltages, and subdivision are available on request

TYPE NOMENCLATURE

P	h	M	K	P	g	w	850	/	500	/	1	S	-	DR	-	60 Hz	-	EW
1		2			3	4	5		6		7	8		9		10		11

1	2	3	4	5	6	7	8	9	10	11
Ph: power capacitor	MKP: metallized polypropylene film	g: dry n. E.: oil filled	w: water cooled n. E.: air cooled	Voltage (V or kV)	Total output (kvar)	1-phase	S: partial outputs n. E.: one output	DR: pressure switch n. E.: without monitoring	60 Hz: frequency n. E.: 50 Hz	EW: discharge resistor n. E.: without discharge device

Note

- n. E. = no entry

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