

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

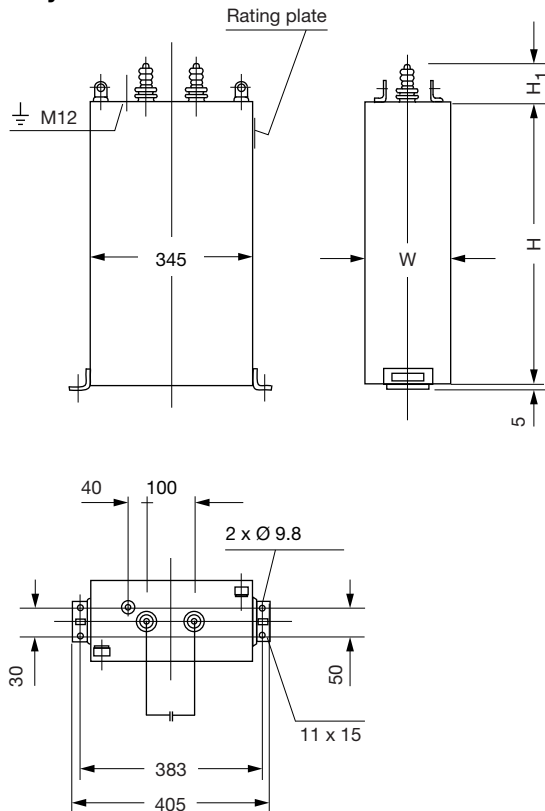
- Capacitor in accordance with other standards available upon request

| 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 |

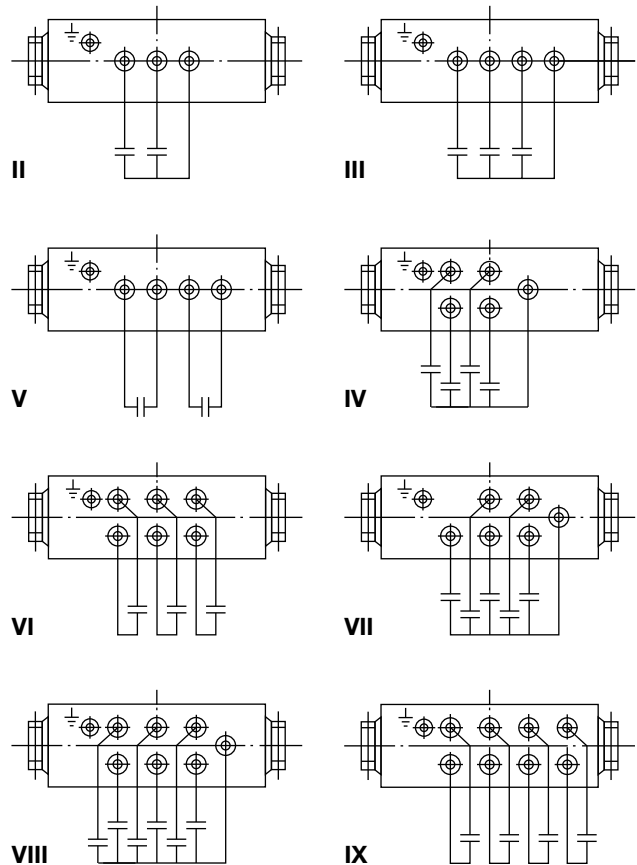
| TECHNICAL DATA | |
|-----------------------|--|
| Internal connection | Single phase (dead case), Circuitry I to IX |
| Discharge resistor | Available |
| Temperature category | -25 °C to +45 °C |
| Capacitance tolerance | -5 % / +5 % |
| Dielectric | Metallized polypropylene film |
| Impregnating 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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