



CAPACITORS

Model PhMKDg



ESTAdry D-Type Capacitor in Triangular Casing, UL/ULc-Approved

FEATURES

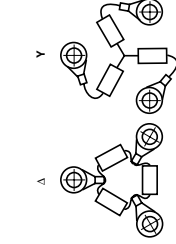
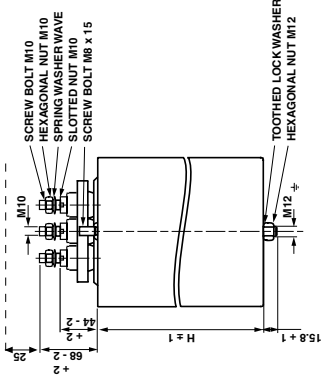
- Smallest available height for 50-kvar units: 210 mm (+68 mm for terminals)
- Excellent heat dissipation
- Screw-on terminal with M10 bolts
- Resin filling provides thermal conductivity similar to that of oil-filled capacitors
- Aluminum case is welded and hermetically sealed

APPLICATIONS

- Recommended for power factor correction in low-voltage applications ≤ 1000 V

ESTAdry D-Type Capacitor For Indoor Use

REQUIRED SPACE FOR BULGING



DISCHARGE RESISTORS

- RATED OUTPUT**
50 kvar, other outputs upon request
- CASING**
Aluminum, welded and hermetically sealed
- DEGREE OF PROTECTION**
IP00, Indoor (higher degrees of protection up to IP54 upon request)
- STANDARDS**
EN60831-1/-2, IEC60831-1/-2 (VDE 0550-4B/-47)
- LOSSES (INCLUDING DISCHARGE RESISTORS)**
Less than 0.45 watt per kvar at upper temperature limit
- DIELECTRIC**
Polypropylene film
- IMPREGNANT**
Without, dry type, NON-PCB, NON-toxic
- ELECTRODES**
Self-healing
- SAFETY DEVICES**
Self-healing dielectric and overpressure tear-off fuses external discharge resistors for U ≤ 50 V, t = 60 s (for IP00 version)
- TEMPERATURE CLASS**
- 25/D (max. 55 °C), (- 40/D upon request)
- SHELF TEMPERATURE**
- 40/+ 70 °C
- SWITCH-IN-CURRENT**
Max. 300 x I_N
- INSULATION**
6/15 kV
- TESTS**
Terminal/Terminal: 2.15 x U_v/2 seconds
Terminal/Casing: 6000V/2 seconds

STYLE	RECOMMENDED TORQUE
Terminals M8	6 Nm
Terminals M10	10 Nm
M12 mounting stud	10 Nm

* Can also be used for 60 Hz. The output will be 1.2 times higher. A lower class of temperature might be taken into account.



ESTAdry D-TYPE THREE PHASE MK-POWER CAPACITOR ACCORDING TO DIN EN 60831-1/-2 FOR INDOOR APPLICATION

MK = Metallized Plastic Film Dielectric.
ESTAdry MK-type capacitor for power factor correction in low voltage systems.

RATED VOLTAGES
400 V, 415 V, 440 V, 460 V, 525 V, 680 V, 760 V

RATED FREQUENCY
50 Hz*

Revision 13-Nov-07

TYPE	RATED VOLTAGE V	RATED OUTPUT kvar	CAPACITANCE µF	CURRENT A	WEIGHT kg	HEIGHT mm
PHMKDG 400.3.50	400	50	3 x 331.6 Δ	72	app. 4.9	210
PHMKDG 415.3.40	415	40	3 x 246.4 Δ	56	app. 4.9	210
PHMKDG 415.3.50	415	50	3 x 308.0 Δ	70	app. 4.9	210
PHMKDG 440.3.50	440	50	3 x 274.0 Δ	66	app. 4.9	210
PHMKDG 440.3.56.2	440	56.2	3 x 308.0 Δ	74	app. 4.9	210
PHMKDG 460.3.50	460	50	3 x 250.7 Δ	63	app. 4.9	210
PHMKDG 525.3.50	525	50	3 x 192.5 Δ	55	app. 4.9	210
PHMKDG 680.2.50	680	50	3 x 334.3 Y	42	app. 4.9	210
PHMKDG 760.2.50	760	50	3 x 275.5 Y	38	app. 4.9	210

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