

Surge Capacitors

Type 2GUS

Surge capacitors are designed to modify the steep fronted waves and prevent damage to the turn-to-turn insulation of rotating machines and transformers. It is advisable to use surge arresters together with the surge capacitor units to form a comprehensive protective package (please contact your ABB sales representative for further information). Standard ratings and dimensions are shown here; however, special requirements can be accommodated on an extended lead-time.

The 2GUS capacitors are built for the most demanding conditions and offer:

- ▶ High transient voltage withstand
- ▶ Long life design
- ▶ Low loss dielectric
- ▶ Rugged construction



STANDARD FEATURES

- ▶ All-film low loss dielectric
- ▶ Faradol Non-PCB insulating fluid
- ▶ Indoor or outdoor mounting
- ▶ Mount in any position: upright, side, or inverted
- ▶ Internal discharge resistors
- ▶ Hermetically sealed unit

SPECIFICATIONS

- ▶ Low-loss polypropylene film and aluminum foil
- ▶ Non-PCB dielectric fluid—FARADOL 800
- ▶ Discharge resistors to reduce the residual voltage to less than 50 V in 5 minutes of de-energization
- ▶ Designed for indoor/outdoor use with an ambient temperature range of -40°C to $+50^{\circ}\text{C}$
- ▶ Stainless steel case
- ▶ ANSI 70 light gray paint

APPLICATIONS

Surge protection for:

- ▶ Large motors and generators
- ▶ MV switchgear and motor control centers
- ▶ Large transformers

All ABB products are Industrial^{IT} enabled.

Contact your [ABB Sales Representative](#) or visit our website at www.abb.com.

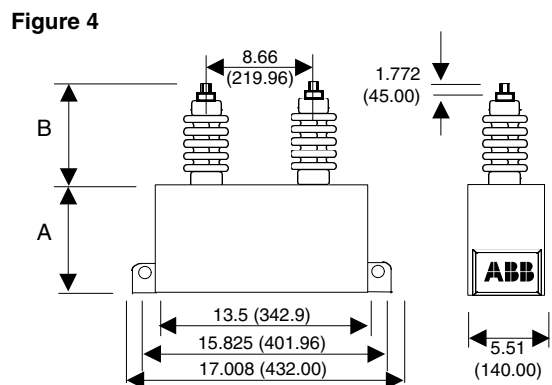
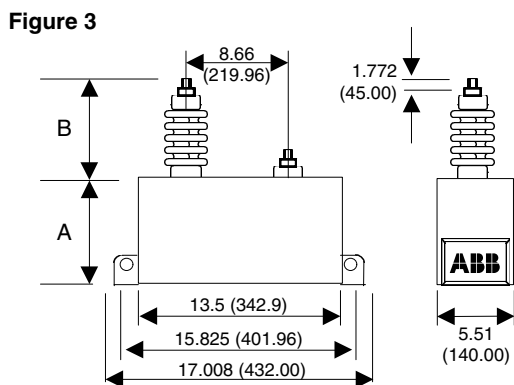
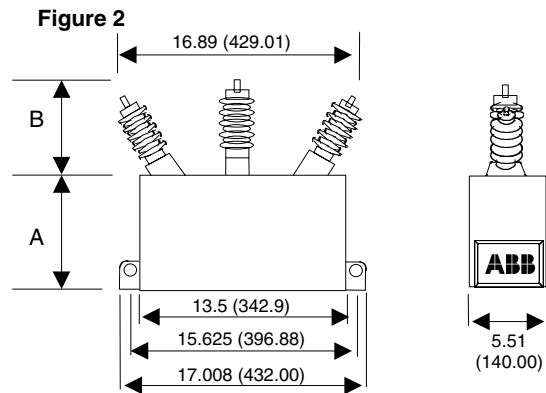
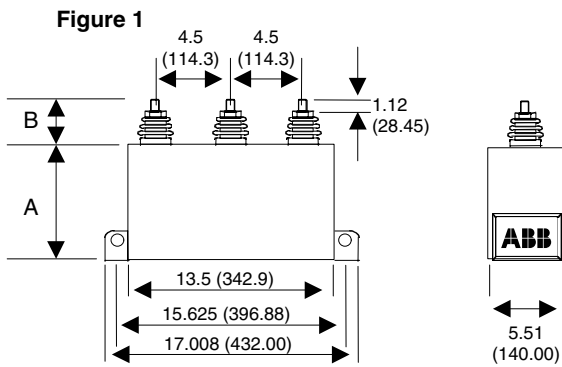


SPECIFICATIONS

Standard Design Dimensions and Weights

All dimensions and weights are approximate. Dimensions are specified in inches (mm).

Reference	Rated Voltage	No. of Poles	μ Per Pole	Figure	A Inches (mm)	B Inches (mm)	Weight Lbs. (kg)
2GUS031803A1	7200/4160	3	0.500	2	8.23 (209)	10.25 (260)	48 (22)
2GUS031801A2	7200	1	0.500	3	6.26 (159)	9.45 (240)	30 (14)
2GUS031801A3	13,800	1	0.250	3	7.24 (184)	9.45 (240)	34 (15)
2GUS031801A4	24,000	1	0.130	3	10.20 (259)	10.66 (271)	47 (21)
2GUS031801A5	24,000	1	0.083	3	15.12 (384)	10.66 (271)	66 (30)
2GUS031801A6	14,400	2	0.500	4	11.18 (284)	10.66 (271)	55 (25)
2GUS031803A7	4160/2400	3	0.500	1	7.64 (194)	4.84 (123)	34 (15)
2GUS031803A9	13,800/7960	3	0.250	2	12.76 (324)	10.25 (260)	59 (26)
2GUS031801A15	13,800	1	0.750	3	11.18 (284)	9.45 (240)	49 (22)



All ABB products are Industrial^{IT} enabled.
 Contact your [ABB Sales Representative](#) or visit our website at www.abb.com.

