LV Capacitor CLMD33S

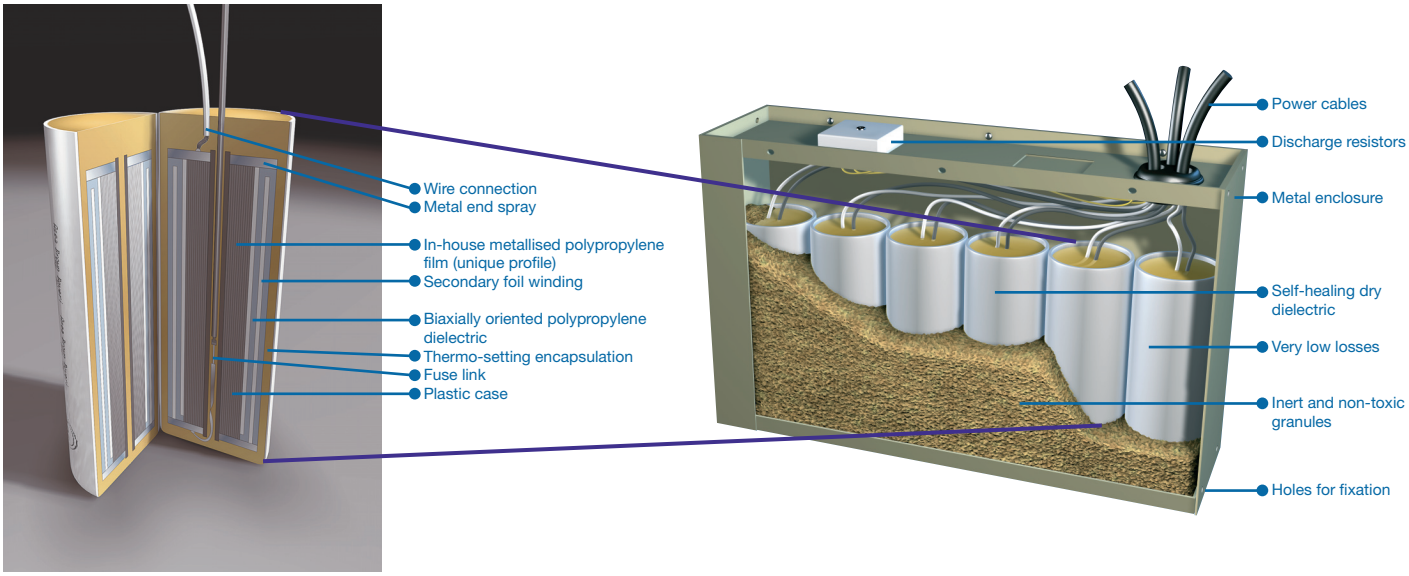
Reliability for Power Factor Correction

Reliable and safe

- Dry type design
- Very low losses
- Long life - Self-healing
- Fire protection
- Unique protection system
- Easy to install - Light weight
- High reliability
- Safety
- ISO 9001 and 14001

CLMD33S construction

- The CLMD33S capacitor consists of a number of wound elements made with a dielectric of metallized polypropylene film. These dry windings are provided with a sequential disconnector ensuring that each element can be reliably and selectively disconnected from the circuit at the end of its life.
- The capacitor elements receive a treatment under vacuum in order to ensure perfect electrical characteristics. Each winding is placed in a plastic case and encapsulated in thermo-setting resine in order to obtain a perfectly sealed element.
- The elements are placed inside a sheet steel box and connected in such a way as to supply the single or three-phase power at the required voltage and frequency.
- The sheet steel box is filled with inorganic, inert and fire proof granules in order to absorb the energy produced or to extinguish any flames in case of a possible defect at the end of an element's life.

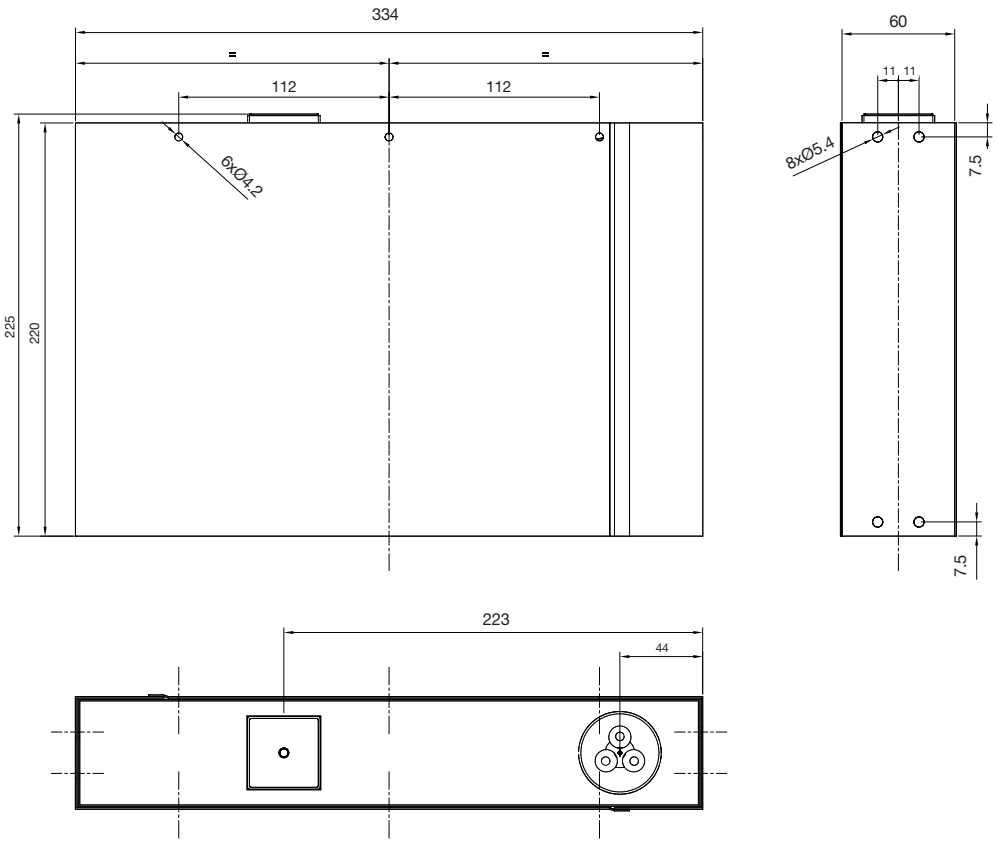


Technical specifications

Voltage range	From 230 to 1000Vac for both 50 and 60Hz.
Connection	3-phase.
Discharge resistors	Built-in and sized for discharge of the capacitor to less than 50V in 1 minute. Minimum time between disconnection and re-energization: 40 seconds.
Terminals	3 cable outputs (6, 10, 16 mm^2), 50 cm long.
Earth	Through enclosure fixation.
Color	Beige RAL 7032.
Weight (unpacked)	± 4.5 kg/unit.
Minimum distance between units	20 mm (25 mm for units ≥ 30 kvar).
Minimum distance between units and wall	20 mm (25 mm for units ≥ 30 kvar).
Fixation	8 fixation holes (Ø 5.4 mm).
Execution	Indoor.
Protection	IP40.
Maximum ambient temperature	+55°C (Class D according to IEC 60831).
Minimum ambient temperature	-25°C.
Dielectric losses	< 0.2 Watt/kvar.
Total losses	< 0.5 Watt/kvar (discharge resistors included).
Tolerance on capacitance	0/+10%.
Voltage test between terminals	2.15 Un for 10 seconds.
Voltage test between terminals and earth	3kV for 10 seconds for Un < 500V. 4kV for 10 seconds for Un > 500V.
Lightning impulse voltage test	8kV.
Acceptable overloads	According to IEC 60831-1&2. Overvoltage tolerance: 10% max. intermittently. Overcurrent tolerance: 30% permanently.

Important: the installation of capacitors on networks disturbed by harmonics may require special precautions, especially when there is a risk of resonance.

Dimensions (mm)



Range - 50Hz

Network Voltage[1] (V)	Associated reactor[2] (%)	Net Power[3] [kvar]	Article number for ordering
230V	-	6.3	2GCA289064A0030
	-	10.0	2GCA289065A0030
	-	12.5	2GCA289066A0030
400V	-	5.0	2GCA289067A0030
	-	10.0	2GCA289068A0030
	-	12.5	2GCA289069A0030
	-	15.0	2GCA289070A0030
	-	20.0	2GCA289071A0030
	-	25.0	2GCA289072A0030
	5.67	12.5	2GCA289078A0030
	5.67	25.0	2GCA289079A0030
	7.0	12.5	2GCA289078A0030
	7.0	25.0	2GCA289079A0030
	12.5	12.5	2GCA289080A0030
	12.5	25.0	2GCA289081A0030
415V	-	10.0	2GCA289073A0030
	-	12.5	2GCA289074A0030
	-	15.0	2GCA289075A0030
	-	20.0	2GCA289076A0030
	-	25.0	2GCA289077A0030
	5.67	12.5	2GCA289080A0030
	5.67	25.0	2GCA289081A0030
	7.0	12.5	2GCA289080A0030
	7.0	25.0	2GCA289081A0030
	12.5	12.5	2GCA289082A0030
525V	-	10.0	2GCA289084A0030
	-	12.5	2GCA289085A0030
	-	20.0	2GCA289086A0030
	-	25.0	2GCA289087A0030
	5.67	12.5	2GCA289088A0030
	7.0	12.5	2GCA289088A0030
	12.5	12.5	2GCA289092A0030
	12.5	16.7	2GCA289094A0030
690V	-	10.0	2GCA289090A0030
	-	12.5	2GCA289091A0030
	-	20.0	2GCA289093A0030
	-	25.0	2GCA289094A0030
	5.67	12.5	2GCA289095A0030
	5.67	25.0	2GCA289096A0030
	7.0	12.5	2GCA289095A0030
	7.0	25.0	2GCA289096A0030
	12.5	12.5	2GCA289097A0030
	12.5	25.0	2GCA289098A0030

(1) Network voltage (V): voltage of the supply network.
(2) Associated reactor (%): value of the detuned reactor to be combined with the capacitor unit. Reactors are not provided.
(3) Net power (kvar): net reactive power output in combination with the associated reactor.
Other ratings available on request.

Range - 60Hz

Network Voltage[1] (V)	Associated reactor[2] (%)	Net Power[3] [kvar]	Article number for ordering
220V	-	6.3	2GCA289103A0030
	-	10.0	2GCA289105A0030
	-	12.5	2GCA289106A0030
240V	-	6.3	2GCA289099A0030
	-	10.0	2GCA289100A0030
	-	12.5	2GCA289101A0030
	6.0	6.3	2GCA289102A0030
	6.0	12.5	2GCA289105A0030
	6.0	16.7	2GCA289107A0030
	7.0	6.3	2GCA289102A0030
	7.0	12.5	2GCA289105A0030
	7.0	16.7	2GCA289107A0030
	12.5	6.3	2GCA289108A0030
	12.5	12.5	2GCA289109A0030
380V	-	10.0	2GCA289073A0030
	-	12.5	2GCA289074A0030
	-	15.0	2GCA289075A0030
	-	20.0	2GCA289076A0030
	-	25.0	2GCA289077A0030
	6.0	12.5	2GCA289110A0030
	6.0	25.0	2GCA289111A0030
	7.0	12.5	2GCA289110A0030
	7.0	25.0	2GCA289111A0030
	12.5	12.5	2GCA289082A0030
440V	-	8.4	2GCA289115A0030
	-	10.5	2GCA289116A0030
	-	12.5	2GCA289117A0030
	-	16.7	2GCA289118A0030
	-	21.0	2GCA289119A0030
	-	25.0	2GCA289114A0030
480V	-	10.0	2GCA289115A0030
	-	12.5	2GCA289116A0030
	-	15.0	2GCA289117A0030
	-	20.0	2GCA289118A0030
	-	25.0	2GCA289119A0030
	6.0	12.5	2GCA289088A0030
	7.0	12.5	2GCA289088A0030
	12.5	12.5	2GCA289120A0030
600V	-	10.0	2GCA289122A0030
	-	12.5	2GCA289123A0030
	-	20.0	2GCA289124A0030
	-	25.0	2GCA289125A0030
	6.0	12.5	2GCA289126A0030
	6.0	25.0	2GCA289127A0030
	7.0	12.5	2GCA289126A0030
	7.0	25.0	2GCA289127A0030
	12.5	12.5	2GCA289128A0030
	12.5	25.0	2GCA289295A0030

(1) Network voltage (V): voltage of the supply network.
(2) Associated reactor (%): value of the detuned reactor to be combined with the capacitor unit. Reactors are not provided.
(3) Net power (kvar): net reactive power output in combination with the associated reactor.
Other ratings available on request.

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2GCS302012A0030