

Type DMP

Ventilation	natural ventilation up to and including 175 kVAr forced ventilation from 200 kVAr
Isolation voltage	600 Vac
THD(I)_{max}	60% on the capacitors (40% in the network)
Frequency	50 Hz
Nominal voltage	450 V
Working voltage	230 V via a built-in transformer (400/230 V)
Power	Q _n = received power on the required tension and frequency
Operating voltage	230 V via a built-in transformer (400/230 V)
Temperature range	-5°C / +40°C
Lock	screws : G4RM and G5E
Cubicle	in robust sheet steel, RAL 7035
Protection degree	external IP 31 = internal IP 00.
Short-circuit capacity	series G4RM and G5E : 10 kA in 1 sec
Switch	three pole switch (blocks the door by turning on)
Terminal	G4RM, G5E : at the top G7M kit : at the bottom
Wiring	Internal wiring is realized according to the norm N07VK CEI 20-22 II fireproof
Contactors	for high reliability each bank of capacitors is controlled by its own three-pole contactor. To limit the switching on inrush current each contactor is provided with chokes or resistors.
Fuses	Every bank is protected by a set of 3 HRC fuses (NH00 type – curve gG); the driving circuit is protected with tube fuses (10x38 mm)
Capacitors	single phase, connected in triangle self-healing, metalized polypropylene film, equipped with overpressure safety device and discharge resistor. All are compliant with standard dry type (only the dielectricum is impregnated with biodegradable oil, PCB free) <ul style="list-style-type: none"> ○ capacitance tolerance : -5% / +10% ○ total losses of the capacitors : ≤0.4 W/kVAr ○ temperature category : -25/D according to standard CEI EN 60831-1
Regulator	varmetric relay (QSR or BMR) entry 5A for TI 5VA class 1, secondary current adapted to the network entry for voltage 415 V switching on/off times : 25 à 30 sec
Reference standards	capacitors : CEI EN 60831-1/2 IEC 831-1/2 UL 810 equipment : CEI EN 60439-1 IEC 439-1

STANDARD CAPACITIES TYPE DMP

Type	Qn kVAr	In A	Steps kVAr	Principle n x kVAr	Switch A	Regulator	Dimensions h x w x d mm	Weight kg
G4E DMP	62,5	80	12,5 25 25	5 x 12,5	160	QSR4	800 x 430 x 320	69
G4E DMP	75	96	12,5 12,5 25 25	6 x 12,5	160			72
G4E DMP	87,5	112	12,5 25 25 25	7 x 12,5	160			74
G4RM DMP	100	128	12,5 12,5 25 50	8 x 12,5	200	QSR 4	1210 x 550 x 430	76
G4RM DMP	150	193	25 25 50 50	6 x 25	315			84
G4RM DMP	175	225	25 50 50 50	7 x 25	400			87
G4RM DMP	200	257	25 25 50 100	8 x 25	400			87
G4RM DMP	225	289	25 50 50 100	9 x 25	400			95
G5E DMP	250	321	25 25 50 50 50 50	10 x 25	500	BMR6	1520 x 810 x 380	150
G5E DMP	300	385	50 50 50 50 50 50	6 x 50	630			165
G5E DMP	350	450	50 50 50 50 50 100	7 x 50	800			175
G5E DMP	400	514	50 50 50 50 100 100	8 x 50	800			192
G7M DMP	450	578	50 50 50 100 100 100	9 x 50	800	BMR6	2100 x 800 x 600	207
G7M DMP	500	642	50 50 100 100 100 100	10 x 50	1000			240