

## Type 230 V

<b>Ventilation</b>	natural ventilation up to and including 105 kVAr forced ventilation from 120 kVAr
<b>Isolation voltage</b>	280Vac
<b>THD(I)max</b>	15 % on the capacitors
<b>Frequency</b>	50 Hz
<b>Voltage</b>	230 V
<b>Power</b>	$Q_n$ = received power on the required tension and frequency
<b>Temperature range</b>	-5°C / +40°C
<b>Cubicle</b>	in robust sheet steel, RAL 7035
<b>Protection degree</b>	external IP 40 = Internal IP 20. (IP 55 on request)
<b>Lock</b>	key
<b>Switch</b>	optional
<b>Terminal</b>	at the top – lateral
<b>Wiring</b>	internal wiring is realized according to the norm N07VK CEI 20-22 II fireproof
<b>Contactors</b>	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 current limitation system.
<b>Fuses</b>	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)
<b>Capacitors</b>	combination of single phase types with three phase types. 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"><li>○ capacitance tolerance : -5% / +10%</li><li>○ total losses of the capacitors : <math>\leq 0.4</math> W/kVAr</li><li>○ temperature category : -25/D according to standard CEI EN 60831-1</li></ul>
<b>Regulator</b>	varmetric relay (type QSR or BMR) entry 5A for TI 5VA class 1, secondary current adapted to the network entry for voltage 230 V switching on/off times : 25 à 30 sec
<b>Reference standards</b>	capacitors : CEI EN 60831-1/2 IEC 831-1/2 UL 810 equipment : CEI EN 60439-1 IEC 439-1

## STANDARD CAPACITIES TYPE 230 V

Type	Qn kVAr	In A	Steps kVAr	Principle n x kVAr	Regulator	Dimensions h x w x d mm	Weight kg
EE 10-230	10	25	5 5	2 x 5	<b>QSR4</b>	800 x 600 x 400	15
EE 15-230	15	38	5 10	3 x 5			25
EE 20-230	20	50	5 5 10	4 x 5			30
EE 25-230	25	63	5 5 15	5 x 5			35
EE 30-230	30	75	10 20	3 x 10			40
EE 35-230	35	88	5 10 20	7 x 5			45
EE 40-230	40	101	10 10 20	4 x 10			50
EE 45-230	45	113	5 10 10 20	9 x 5			52
EE 50-230	50	126	10 20 20	5 x 10	<b>QSR4</b>	1000 x 800 x 400	55
EE 60-230	60	151	10 10 20 20	6 x 10			65
EE 75-230	70	176	10 20 20 20	7 x 10			75
G4M Kit 90 - 230	90	226	10 20 20 20 20	9 x 10	<b>BMR6</b>	1200 x 800 x 600	85
G4M Kit 100 - 230	100	251	10 10 20 20 20 20	10 x 10			95
G4M Kit 120 - 230	120	302	20 20 20 20 20 20	6 x 20			105
G4M Kit 140 - 230	140	352	7 x 20	7 x 20			115
G4M Kit 160 - 230	160	402	8 x 20	8 x 20			125