

DUCATI 170-ML

Automatic equipment with detuning reactors

Technical details

- Single-phase capacitors MONO Long Life 4I_N series in PPMh, for a continuous duty under highly demanding condition in harmonic rich environments. Rated voltage 480 V
- Power Factor Controller series rEvolution R5 485 radio. Auto-sensing of the direction and the position of the TC, to ease the operations of setup. Suitable for cogeneration plants as PV. NFC connection for the exchange of the configurations with "DUCATI Smart Energy" App. Optional integration with cloud data sharing system DUCNET, through RS485 connection or radio 868 MHz transmission
- Harmonic filter reactors with tuning frequency 189 Hz ($p=7\%$)
- External steel structure painted with epoxy powder color RAL 7035
- Omni pole disconnecting switch, with door lock, and rated current 1.45 I_n according to the CEI EN standard
- Contactors designed for controlling capacitive loads, equipped with an inrush current limiting device with 230 V 50 - 60 Hz power supply

General Characteristics

Rated voltage	400 V
Rated frequency	50 Hz
Insulating voltage	690 V
Ventilation	Forced
Usage	Indoor
Protection degree	IP30
Duty	Continuous
Temperature range	-5 +40 °C
Power supply	3PH + PE
Cable entry	Top
Internal connection	N07VK
Discharge devices	On each capacitor
Fuse	NH-00 GL
Standards	IEC 61439 where applicable IEC 61921

I_{SH} 50 kA (conditioned by the upstream protective device)

TECHNICAL DRAWING DUCATI 170-ML



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Un - Cond = 480 V FILTER 189 Hz(*)

THD_i % ≤ 80%(*) THD_v % ≤ 6%(*) Un 400 V - 50 Hz

Part n.	Qn (kVAr) (400 V)	Bank Power (kVAr)	Steps	In (A)	In sw. (A)	LxPxH (mm)	Weight (kg)
2110N	25.5	3 x 8.5	3	37	160	800x400x1470	170
2115N	34	2 x 8.5 + 17	4	49	160	800x400x1470	170
2120N	42.5	8.5 + 2 x 17	5	61	160	800x400x1470	175
2125N	59.5	8.5 + 17+34	7	86	160	800x400x1470	185
2130N	68	2 x 17 + 34	4	98	160	800x400x1470	185
2135N	85	17 + 2 x 34	5	123	250	800x400x1470	190
2140N	102	2 x 17 + 2 x 34	6	147	250	800x400x1470	220
2145N	119	17 + 3 x 34	7	172	250	800x400x1470	220
2150N	136	2 x 17 + 3 x 34	8	196	400	800x400x1470	240
2155N	153	17 + 4 x 34	9	221	400	800x400x1470	245
2160N	170	5 x 34	5	245	400	800x400x1470	250

* Other operating voltages and tuning frequencies available upon request.