

DUCATI 50-M

Automatic power factor correction equipment

Technical details

- Single-phase capacitors MONO Long Life 4I_N in PPMh, for a continuous duty under highly demanding condition in harmonic rich environments. Rated voltage 415 V, 450 V, 525 V
- Power Factor controller series START&GO . No setup required (TC autosensing and automatic start), fast and user friendly. Suitable for cogeneration plants as PV
- External steel structure painted with epoxy powder color RAL 7035
- Omni pole disconnecting switch, with door lock, and rated current 1.45In 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

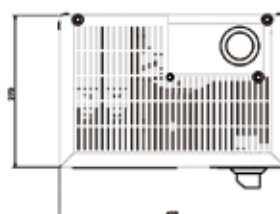


General Characteristics

Rated voltage	400 V
Rated frequency	50 Hz
Insulating voltage	690 V
Ventilation	Natural
Usage	Indoor
Protection degree	IP 30
Duty	Continuous
Temperature range	-5 +40 °C
Power supply	3F + PE + N
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 50-M



DUCATI 50-M Un - Cond = 415 V

THD_{IMAX-C} % ≤ 50% THD_I % ≤ 12% Un 400 V - 50 Hz

Part n. 415.04	Qn (kVAr)	Q (400 V) (kVAr)	Bank Power (kVAr)	Steps	In (A)	In sw. (A)	LxPxH (mm)	Weight (kg)
0010	5	4.7	0.7 + 1.4 + 2.9	7	7	40	400x270x400	15
0015	7.5	7.0	1.1 + 2.1 + 4.3	7	10	40	400x270x400	15
0020	10	9.3	1.4 + 2.9 + 5.7	7	13	40	400x270x400	16
0025	12.5	11.6	2.5 + 2 x 5	5	17	40	400x270x400	16
0030	17.5	16.3	2.5 + 5 + 10	7	23	40	400x270x400	16
0035	20	18	2 x 5 + 10	4	27	63	400x270x400	17
0040	25	23	5 + 2 x 10	5	34	63	400x270x400	17
0045	35	32	5 + 10 + 20	7	47	80	400x270x400	18
0050	40	37	2 x 10 + 20	4	54	80	400x270x400	18
0055	50	46	10 + 2 x 20	5	34	80	400x270x400	19

DUCATI 50-M Un - Cond = 450 V

THD_{IMAX-C} % ≤ 70% THD_I % ≤ 20% Un 400 V - 50 Hz

Part n. 415.04	Qn (kVAr)	Q (400 V) (kVAr)	Bank Power (kVAr)	Steps	In (A)	In sw. (A)	LxPxH (mm)	Weight (kg)
0210	20	15	2 x 5 + 10	4	23	63	400x270x400	17
0215	25	19	5 + 2 x 10	5	29	63	400x270x400	17
0220	35	27	5 + 10 + 20	7	40	80	400x270x400	18
0225	40	31	2 x 10 + 20	4	46	80	400x270x400	18
0230	50	39	10 + 2 x 20	5	57	80	400x270x400	19

DUCATI 50-M Un - Cond = 525 V

THD_{IMAX-C} % ≤ 85% THD_I % ≤ 27% Un 400 V - 50 Hz

Part n. 415.04	Qn (kVAr)	Q (400 V) (kVAr)	Bank Power (kVAr)	Steps	In (A)	In sw. (A)	LxPxH (mm)	Weight (kg)
0310	20	11	2 x 5 + 10	4	17	63	400x270x400	17
0315	25	14	5 + 2 x 10	5	21	63	400x270x400	17
0320	35	20	5 + 10 + 20	7	29	80	400x270x400	18
0325	40	23	2 x 10 + 20	4	34	80	400x270x400	18
0330	50	29	10 + 2 x 20	5	42	80	400x270x400	19