DUCATI 400-M

Automatic power factor correction equipment

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 415 V, 450 V, 525 V
- Power Factor Controller series rEvolution R5 485 radio. Auto-sensing of the direction and the position of the TC, to ease the opertaions of the 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
- External steel structure painted with epoxy powder color RAL 7035
- Omni pole disconnecting switch, with door lock, and rated current 1.45 In 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	IP 30
Duty	Continuous
Temperature range	-5 +40 °C
Power supply	3F + 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)

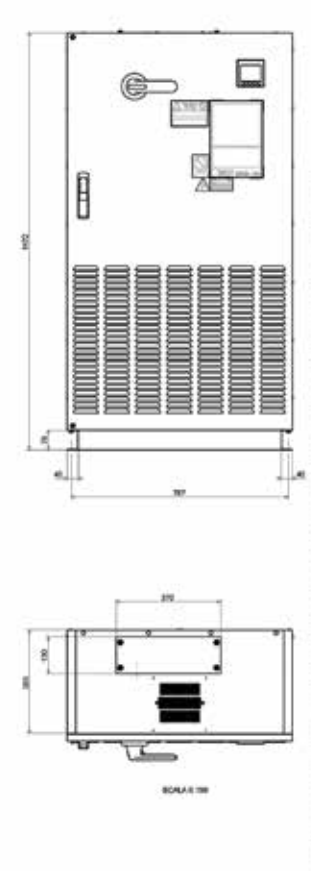
HELIOS
POWER SOLUTIONS

DUCATI 400-M Un - Cond = 415 V

THD $_{I\ MAX-C}$ % ≤ 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)
0510N	220	204	20 + 3 x 40 + 80	11	295	630	800x400x1470	115
0515N	240	223	2 x 20 + 40 + 2 x 80	12	322	630	800x400x1470	120
0520N	260	241	20 + 2 x 40 + 2 x 80	13	349	630	800x400x1470	125
0525N	280	260	3 x 40 + 2 x 80	7	375	630	800x400x1470	130
0527N	300	278	20 + 40 + 3 x 80	15	402	630	800x400x1470	135
0530N	320	297	2 x 40 + 3 x 80	8	429	800	800x400x1470	140
0535N	360	334	40 + 4 x 80	9	483	800	800x400x1470	145
0540N	400	371	5 x 80	5	536	800	800x400x1470	150

TECHNICAL DRAWING DUCATI 400-M



DUCATI 400-M Un - Cond = 450 V

THD $_{I\ MAX-C}$ % ≤ 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)
0610N	220	173	20 + 3 x 40 + 80	11	251	630	800x400x1470	115
0615N	240	189	2 x 20 + 40 +2 x 80	12	274	630	800x400x1470	120
0620N	260	205	20 + 2 x 40 + 2 x 80	13	297	630	800x400x1470	125
0625N	280	221	3 x 40 + 2 x 80	7	319	630	800x400x1470	130
0627N	300	237	20 + 40 + 3 x 80	15	342	630	800x400x1470	135
0630N	320	252	2 x 40 + 3 x 80	8	365	800	800x400x1470	140
0635N	360	284	40 + 4 x 80	9	411	800	800x400x1470	145
0640N	400	316	5 x 80	5	456	800	800x400x1470	150

DUCATI 400-M Un - Cond = 525 V

THD $_{I\ MAX-C}$ % ≤ 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)
0710N	220	127	20 + 3 x 40 + 80	11	184	630	800x400x1470	115
0715N	240	139	2 x 20 + 40 + 2 x 80	12	201	630	800x400x1470	120
0720N	260	150	20 + 2 x 40 + 2 x 80	13	218	630	800x400x1470	125
0725N	280	162	3 x 40 + 2 x 80	7	235	630	800x400x1470	130
0727N	300	174	20 + 40 + 3 x 80	15	251	630	800x400x1470	135
0730N	320	185	2 x 40 + 3 x 80	8	268	800	800x400x1470	140
0735N	360	209	40 + 4 x 80	9	302	800	800x400x1470	145
0740N	400	232	5 x 80	5	335	800	800x400x1470	150