

VP20 MINImatic



Part num.: IF2ZLF311250652
Power (kvar) Un=460V: 112.5
Power (kvar) Ue=415V: 90
Power (kvar) Ue=400V: 84
Steps (kvar) Ue=400V: 5,6-11,2-22,4-44,8
Electrical steps nr.: 15
Disconnecter (A): 250
Icc (KA): 9
PFC Controller: 5LGA
Weight (kg): 115
Dimensions (mm): WxDxH 420x425x1183 (IP3X)

Ue	Un	Umax	f	THDIR%	THDIC%
400-415V	460V	500V	50 Hz	≤27%	≤90%

Generalities

Zinc-passivated metallic enclosure painted with epossidic dust paint, colour RAL 7035.

Auxiliary transformer to separate power and auxiliary circuit parts (110V).

Load-break switch with door interlock.

Special contactors with damping resistors to limit capacitors inrush current (AC6b).

FS17 450/750V self-extinguish cable according to EN 50525 - EN 50575 - EN50575/A1 standards.

Microprocessor Power Factor Correction relay.

CRM25 single phase self-healing metallized polypropylene with increased thickness and Un=460V rated voltage.

Keys:

Ue: rated operational voltage

Un: nominal voltage of the capacitor

Umax: maximum operating voltage

THDIR%: total harmonic distortion relatively to the current in the plant

THDC%: total harmonic distortion that capacitor withstands

THDVR%: total harmonic distortion relatively to the voltage in the plant

I250HZ%: percent current of 5th harmonic

Electrical steps nr.: represents the number of possible combinations of the steps

Technical Info

Rated operational voltage: Ue=400-415V

Rated frequency: 50Hz

Max current overload In (bank): 1.3xIn (continuous)

Max current overload In (capacitors): 1.3xIn (continuous)

Max current overload In (capacitors): 2xIn (x 500s every 60 min.)

Max current overload In (capacitors): 3xIn (x 180s every 60 min.)

Max current overload In (capacitors): 4xIn (x 90s every 60 min.)

Max current overload In (capacitors): 5xIn (x 50s every 60 min.)

Max overload In (bank): 1.1xUe

Max overload In (capacitors): 3xUn (x 1 min.)

Insulation voltage: 690V

Temperature class (bank): -5/+40°C

Temperature class (capacitors): -25/+70°C

Discharge device: mounted on each bank

Installation: indoor

Service: continuous

Internal connection: delta

Total losses: ~ 2W/kvar

Inner surface finish: zinc passivation

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