

## VP20 MINIMATIC

<b>Product code</b>	IF2ZLF290050652
<b>Reactive power Ue=400V</b>	68 kvar
<b>Reactive power Ue=415V</b>	73 kvar
<b>Reactive power Un=460V</b>	90 kvar
<b>Nominal voltage Ue</b>	400-415V
<b>Capacitors voltage Un</b>	460 V
<b>Capacitors max voltage Umax</b>	500 V
<b>Frequency</b>	50 Hz
<b>THDI<sub>R</sub>%</b>	≤27%
<b>THDIC%</b>	≤90%
<b>Steps</b>	5,6-11,2-22,4-28 kvar
<b>Electrical steps number</b>	12
<b>Banks</b>	11-2x28 kvar
<b>Load break switch</b>	250 A
<b>Icc</b>	9 kA
<b>Controller</b>	5LGA
<b>IP degree</b>	IP3X
<b>Dimensions WxDxH</b>	420x425x1183mm
<b>Weight</b>	106 kg

NOTE Icc value: Other values upon request.

### Standard features

<b>Max current overload I<sub>n</sub></b>	1.3 I <sub>n</sub>
<b>Max current overload I<sub>n</sub> (capacitors)</b>	1,3 I <sub>n</sub> (continuous) 2 I <sub>n</sub> (x500s every 60 minutes) 3 I <sub>n</sub> (x180s every 60 minutes) 4 I <sub>n</sub> (x90s every 60 minutes) 5 I <sub>n</sub> (x50s every 60 minutes)
<b>Max overload V<sub>n</sub></b>	1,1xU <sub>e</sub>
<b>Max overload V<sub>n</sub> (capacitors)</b>	3xU <sub>n</sub> (for 1 minute)
<b>Insulation voltage</b>	690V
<b>Temperature class</b>	-5/+40°C
<b>Temperature class (capacitors)</b>	-25/+70°C
<b>Discharge device</b>	mounted on each bank
<b>Installation</b>	indoor
<b>Service</b>	continuous
<b>Internal connection</b>	delta
<b>Total losses</b>	~ 2W/kvar
<b>Inner surface finish</b>	zinc passivation
<b>Standards (bank)</b>	IEC 61439-1/2, IEC 61921
<b>Standards (capacitors)</b>	IEC 60831-1/2

## Generalities

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

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

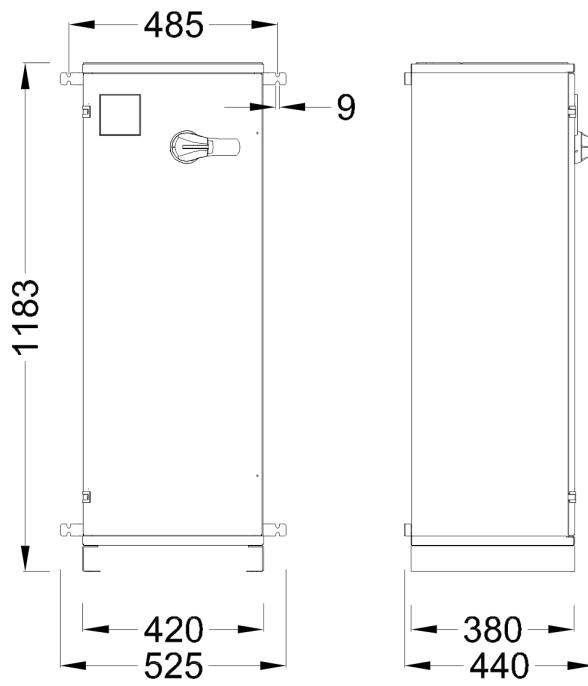
Load-break switch with door interlock.

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

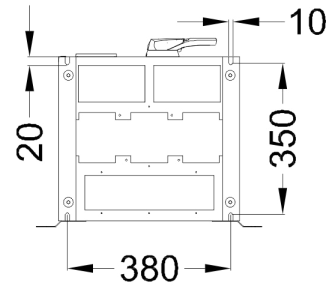
FS17 450/750V self-extinguish cable according to EN 50525 - EN 50575 - EN 50575/A1.

Microprocessor Power Factor Correction relay.

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



Bottom view ground fixing



Top view cables entry

