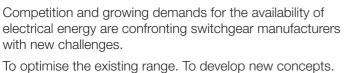
## Powerbloc 36/40.5 kV

Air-insulated medium voltage switchgear module



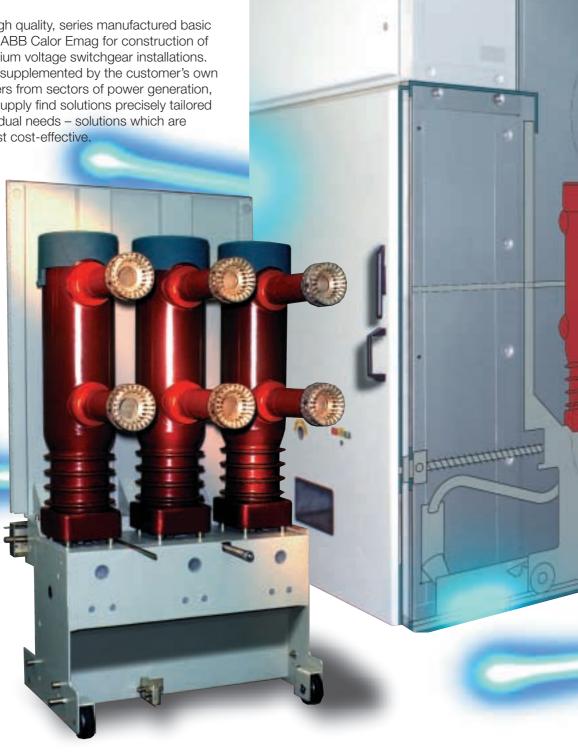


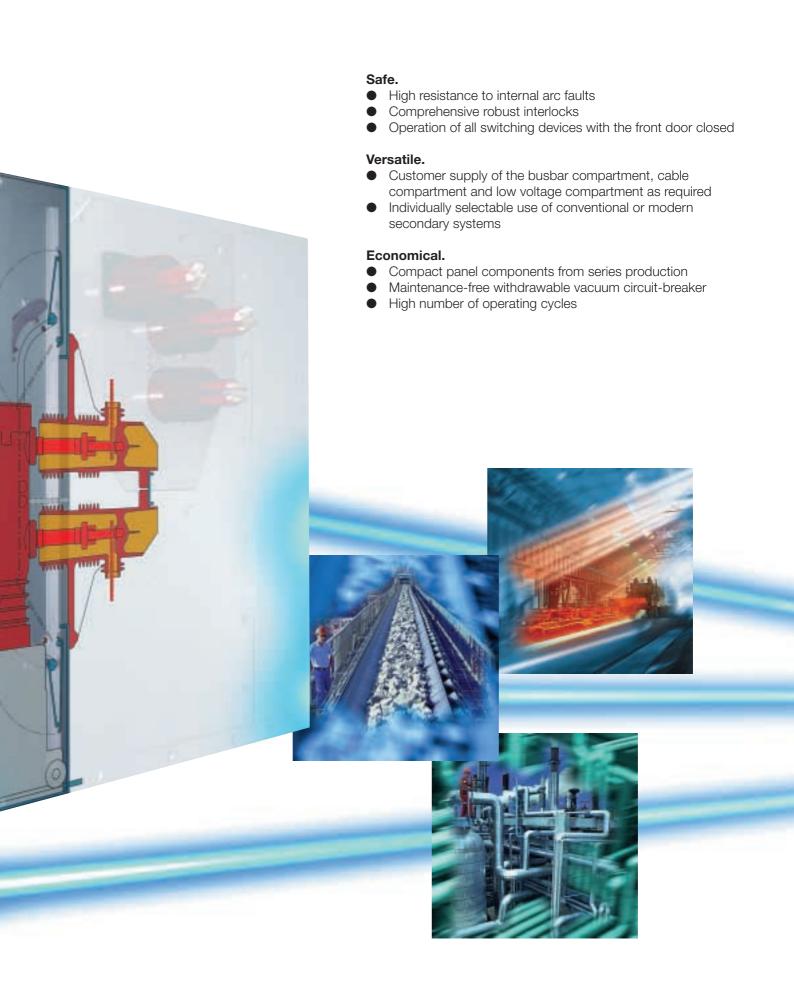


To supply safe, versatile and economical solutions with innovative products and services.

#### One result of our intensive dialogue with users is Powerbloc.

Powerbloc – a high quality, series manufactured basic component from ABB Calor Emag for construction of air-insulated medium voltage switchgear installations. With Powerbloc, supplemented by the customer's own components, users from sectors of power generation, distribution and supply find solutions precisely tailored to suit their individual needs - solutions which are therefore the most cost-effective.

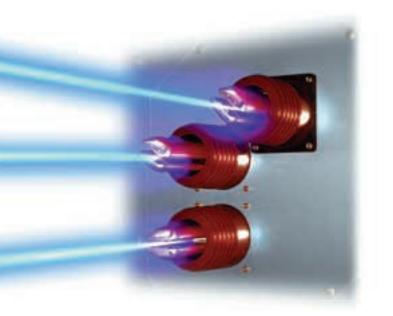








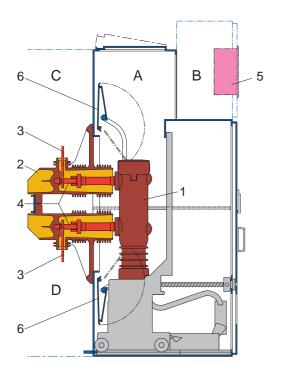
Opened circuit-breaker compartment, withdrawable part in service position



Busbar bushings



# Performance features at a glance.



- A Circuit-breaker compartment
- B Low voltage compartment 1)
- C Busbar compartment 1)
- D Cable connection compartment 1)
- 1 Vacuum circuit-breaker
- 2 Terminal blocks
- 3 Upper/lower busbar terminals
- 4 Upper/lower contact pins
- 5 Bay control and protection unit REF542 1)
- 6 Automatic shutters

Rated voltage	kV	36	40.5
Rated power frequency withstand voltage	kV	70	80
Rated lightning impulse withstand voltage	kV	170	200
Rated current	Α	3150 <sup>1) 2)</sup>	31501)2)
Rated peak short-circuit current	kA	80	80
Rated short-time current, 3 s	kA	31.5	31.5
Rated short-circuit breaking current	kA	31.5	31.5
Rated short-circuit making current	kA	80	80
Dimensions:			
Height	mm	2200	2200
Depth	mm	1000	1000
Depth (including terminal blocks)	mm	1466	1466
Width	mm	1200	1200
Pole centres	mm	280	280
Weight	kg	870-950	870-950

 $<sup>^{1)}~3150</sup>$  A / 40  $^{\circ}\text{C}$  with forced ventilation 2500 A / 55  $^{\circ}\text{C}$  with forced ventilation

<sup>1)</sup> Customer components

 $<sup>^{2)}</sup>$  2500 A / 40  $^{\circ}\text{C}$  with natural ventilation 2000 A / 55  $^{\circ}\text{C}$  with natural ventilation



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