

BLF/PASS

Single-phase encapsulated GIS up to 170kV

Gas-insulated switchgear single-phase encapsulated ideal for both indoor and outdoor applications.

BLF/PASS is the fully-encapsulated evolution of the innovative modular switchgear PASS. BLF/PASS keeps the same flexibility of the PASS and can be used in any of the typical solution for GIS substations. The product is manufactured and tested according to IEC 62271-203 standard.

Main features

- Single-phase encapsulated technology
- Single pressure, self-blast interrupter that can be arranged either vertically or horizontally
- Circuit breaker single pole or three pole operated by a spring-type drive
- Combined disconnecter and earthing switch
- Current transformer cast resin insulated
- SF6 insulated voltage transformer, cable ongoing, surge arrester and fast earthing switch available on request.

The architecture

The distinctive feature of BLF/PASS is the full single phase encapsulated technology:

- Each pole is fitted in a dedicated aluminum alloy enclosure
- Flexibility for the substation design is maximized by the modularity and availability of components
- Mechanical transmission inside gas enclosures are reduced to the minimum thus reliability is maximized together with reduced maintenance.

For all these features, single pole encapsulated is the only architecture used for highest voltage levels.



The flexibility

Each device has been designed in such a way to allow an easy configuration of lines and transformers incoming and outgoing arrangement (metal enclosed bus duct connection, cable connection or SF6/air bushing connection) to be selected in relation with the overall layout.

Highest flexibility in substation design: the GIS configuration can be engineered strictly following the requirements of the customer for each specific project; even the most demanding single line diagrams can be realized.

Rated voltage	[kV]	72.5	145	170
Frequency	[Hz]	50 - 60		
Rated current	[A]	2000 - 2500 - 3150		
Breaking current	[kA]	31.5 - 40		
Rated lightning impulse	[kVp]	325	650	750
Permissible ambient temperature	(°C)	-30 / +40		
Type of enclosure for devices		Single phase encapsulated		
Type of enclosure for bus bars		Single phase encapsulated		
Arrangement for circuit breaker		Vertical - Horizontal		
Installation type		Indoor - Outdoor		



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