MV Gas Insulated Switchgear (GIS)

GAE1250 kMAX

Fully gas insulated modular system

Up to 24 kV 25 kA 1250 A

IEC Standards

Reliable innovation. Personal solutions.

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STANDARDS

IEC
- IEC 62271-1
- IEC 62271-200
- IEC 62271-100
- IEC 62271-102
- IEC 62271-105
- IEC 61243-5

DESIGN

1. Gas Tank
1a. Switching and breaking devices
1b. Pressure relief duct
2. Busbar compartment
3. Driving mechanism and operator interface
4. Cable Compartment
5. Control Box

TECHNICAL DATA

General
- Rated values: 7.2-12-17.5-24 kV
- 2500 A
- Up to 25 kA 1 s
- 50 Hz

Metal enclosed, single busbar
Indoor use up to 1000* m altitude

Ambient T*: Standard -5°C to +40°C*

Loss of service continuity: LSC 2A

Partition class: PM

Internal arc class
IAC AFL 25 kA 1s

Functions: 1LSV, 1LSVG, 1HT, 1AT; 1K, 1TS, 1E, 1M1

SAFETY
- Internal arc tested (IAC AFL 25 kA 1s)
- Optional passive & maintenance free arc absorber technology
- All live components are inside a hermetically sealed gas tank
- Anti-reverse mechanical / electrical interlocks to prevent unsafe operations
- Switch position and capacitive voltage presence indicators

RELIABILITY
- Fully insulated & sealed for life
- Screened cable connectors
- Completely designed in Germany
- 100% routine tested at the factory

EFFICIENCY
- Modular design suitable to any electrical single line diagram
- Small size and light weight
- Easy frontal access to install and to test MV cables and fuses
- Voltage-transformer pre-installed & tested in factory
- Customized protection & automation system (client specifications)

SUSTAINABILITY
- End-of-life management and recycling
- Use of highly recyclable material
- No use of SF6 during installation

CONTINUOUS INNOVATION
- New modules for 25kA
- Internal arc type tested
- Connection up to 4 cables per phase

(*) Other conditions under consultation

FAMILY

1LSV
- Vacuum circuit-breaker

1LSVG
- Bus-sectionalizer circuit-breaker

1HT
- Bus-riser panel with isolating switch

1AT
- Cable connection with isolating switch

1K
- Load-break switch

1TS
- Fused load-break switch

1E
- Earthing panel

1M1
- Metering bus riser

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