



ORMAZABAL GAE 1250 kMAX



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.

PREFACE

Following the market success of its antecedents (GE & GAE), GAE630 was launched in 2001, as a fully gas insulated and extensible cubicle range, mainly designed for secondary distribution applications.

In 2004, the GAE system upgraded its busbar current ratings to 1250A based on our customers' demands for electrical utility, RES and industrial applications. Finally in 2012, the GAE1250 series was upgraded further to 25 kA to answer the needs of the extended secondary distribution projects.

Currently GAE1250 functional units have been in service in more than 30 countries.

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

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 re-cycling
- » 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

TECHNICAL DATA

General

Rated values	7.2-12-17.5-24 kV
	1250 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

(* 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