

evoFIX[®]

Secondary Distribution

Overview

Dive into the future of Medium Voltage switchgear with evoFIX[®].

Using natural-origin insulating gases, evoFIX[®] delivers a lower carbon footprint and reduced environmental impact while ensuring minimal maintenance requirements.

Redefine industry standards with a smarter, more sustainable alternative to SF₆ technology.

Boost efficiency and reliability with cutting-edge innovation designed for a safer tomorrow.

Choose evoFIX[®] and move toward a more sustainable energy future.



Applicable International Standards

IEC 62271-1, -100, -102, -103, -105, -200

Ratings

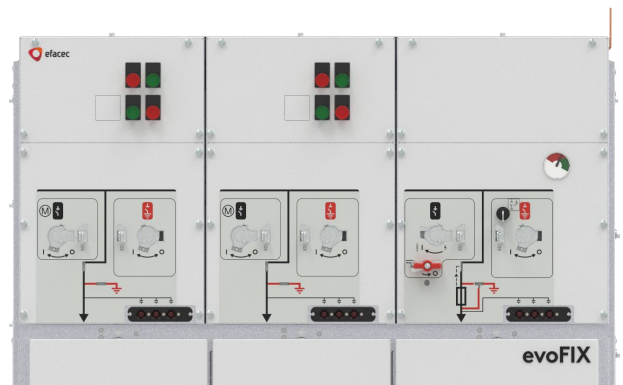
Pressure	1.5 bar (rel.)
Nominal voltage	24 kV
Power frequency withstand voltage	50 kV
Lightning impulse withstand voltage	125 kV
Frequency	50 / 60 Hz
Nominal current	Up to 630 A
Short-time withstand current	16 kA (3 s) / 20 kA (1 s)
Peak withstand current	41.6 kA / 52 kA
Internal Arc Classification	IAC A-FL
Loss of Service Continuity Category (IEC 62271-200)	LSC2
Interrupter Class (Electrical/Mechanical)	E3 / M1
Earth Switch (ES) Class (Electrical/Mechanical)	E1 / M0

Installation

Ambient temperature	-5 °C to 40 °C
Relative humidity	≤ 95 %
Altitude	≤ 1000 m
Installation type	Indoor

Functions & Design

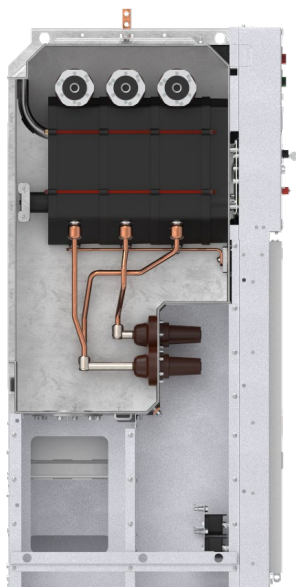
- SF₆ Free technology - Dry air insulation
- Shunt-Vacuum interruption technology
- Main circuit fully insulated and protected from ambient conditions
- Compact and lightweight design
- Easy installation and expansion
- Optional integrated voltage and current sensors
- Optional automation controllers



Architecture & Dimensions

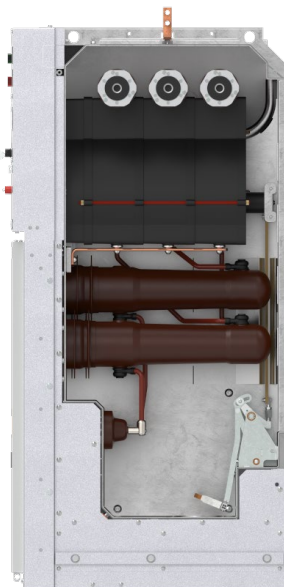
A fully enclosed, maintenance-free main circuit housed in a sealed tank with pressurized dry air ensures high reliability and safety, over its entire lifetime. The compact and lightweight design minimizes footprint, making it ideal for space-constrained installations and easy handling. A modular architecture enables flexible and scalable extensions.

IS Interior View

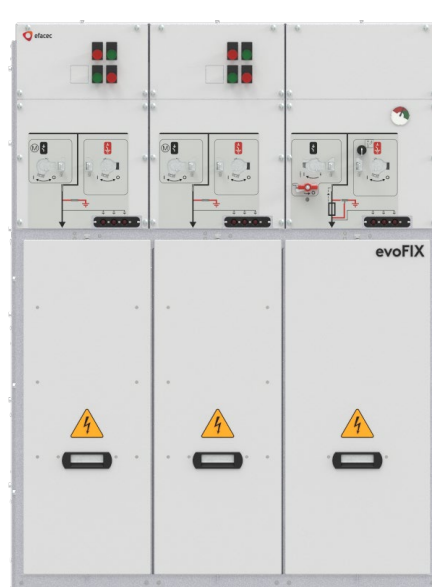


775 mm

CIS Interior View



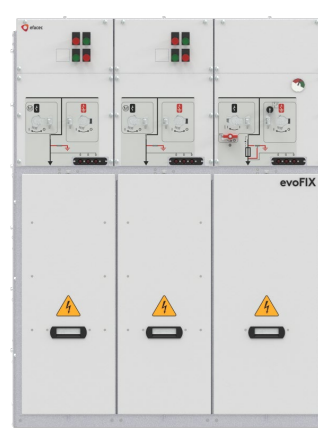
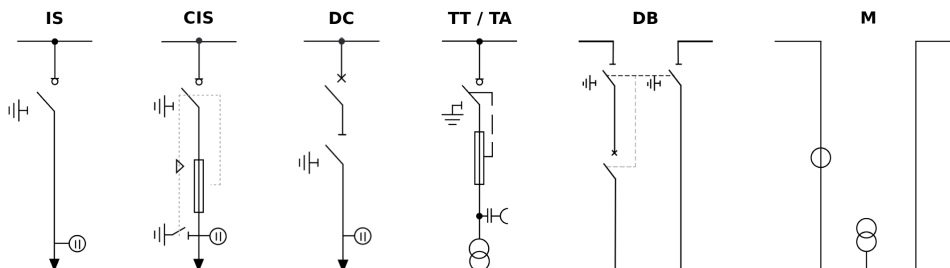
775 mm



1600 mm

1209 mm

Standard Features



Efacec Energia, Máquinas e Equipamentos Elétricos, S.A.
Switchgear Area

efacecamt@efacec.com
www.efacec.com



CS50210108E1