

jesair

IMESA[®]
ELECTRICAL ENGINEERING

Clean energy, without compromise

The SF₆-free medium voltage
switchgear by Imesa



JesAir is the new air-insulated medium-voltage switchgear developed by IMESA, a completely **SF₆-free** solution that combines **reliability**, **safety**, and **sustainability**. Designed to comply with the directives of **EU Regulation 2024/573**, JesAir eliminates the use of fluorinated greenhouse gases, offering an environmentally friendly alternative that complies with European regulations.

Thanks to dry-air technology and vacuum circuit breakers, it ensures **high performance**, **simplified maintenance**, and **reduced environmental impact**. JesAir represents the natural choice for those who look to the future of energy with responsibility and innovation.

Electrical and construction characteristics

Standard Reference	-	CEI EN 62271-200
Rated Voltage	Ur [kV]	24
Rated Frequency	Fr [Hz]	50
Rated Power-Frequency Withstand Voltage at 50Hz	Ud [kV]	50
Rated lightning impulse withstand vlt (1.2/50 μ s)	Up [kV]	125
Rated thermal current of ma in busbars	Ir [A]	630 / 800
Rated short-time withstand current	Ik [kA/s]	16/1 or 20/1
Internal arc classification	IAC	Optional
Type of accessibility	AFLR	Optional
Arc fault current / Duration	I _A /t _A [kA/s]	16/1 or 20/1
External Degree of protection	IP	IP3X Excluding operation locations
Internal Degree of protection	IP	IP2X
Mechanical impact resistance	IK	10
AC auxiliary supply voltage	Vaux [V]	220 Vca
DC auxiliary supply voltage	Vaux [V]	110 Vcc
Minimum operating temperature	[°C]	-5
Maximum operating temperature	[°C]	40
Paint colour point	-	RAL 7035

Dimensions

Type of compartments	APB	APBR	API	MI	PT
Height	1700mm	1700mm	1700mm	1700mm	1700mm
Width	750mm	900mm	500mm	500mm	500mm
Overall Depth	1170mm	1170mm	1170mm	1170mm	1170mm

Gas-Free Schemes

