

# JesAir



## Clean energy, without compromise The SF<sub>6</sub>-free medium voltage switchgear by Imesa



JesAir is the new air-insulated medium-voltage switchgear developed by IMESA, a completely SF<sub>6</sub>-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 Voltageat 50Hz    | Ud [kV]          | 50                                 |
| Rated lightning impulse withstand vlt (1.2/50 µs) | 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

