

# 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 <sub>A</sub> /t <sub>A</sub> [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

