



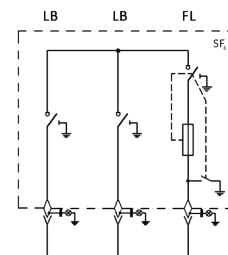
**EKO**



Gas Insulated  
Switchgear for  
Secondary Distribution

## Ring Main Unit

### RC 36 2LB 1FL



| GAS INSULATED SWITCHGEARS                               |                          |
|---------------------------------------------------------|--------------------------|
| Rated Voltage                                           | 36 kV (rms)              |
| Rated Power-Frequency Withstand Voltage (1min.)         | 70 kV (rms)              |
| Rated Lightning Impulse Withstand Voltage (1.2/50μsec.) | 170 kV (Peak)            |
| Rated Frequency                                         | 50/60 Hz                 |
| Rated Busbar Current                                    | 630 A                    |
| Rated Feeder Current                                    | LB:630 A / FL:200 A      |
| Rated Short Time Withstand Current                      | 16-21 kA (rms)           |
| Rated Duration of Short Circuit                         | 1 s                      |
| Rated Peak Withstand Current                            | 40 / 52,5 kA (Peak)      |
| Insulation Material                                     | SF6                      |
| Relative Leakage Rate (per year)                        | % ≤0.5                   |
| Internal arc classification                             | A FL                     |
| Rated Arc Fault Current                                 | 16 kA                    |
| Rated Arc Fault Duration                                | 1 s                      |
| Loss of Service Continuity Category                     | LSC2                     |
| Partition Class (CrNi and galvanized steel sheet)       | PM                       |
| Protection Degree for Primary Live Parts                | IP68                     |
| Protection Degree for External Enclosure                | IP3X                     |
| Ambient Air Temperature                                 | -25 , +40 °C *           |
| Relative Humidity (20 °C)                               | <95 %                    |
| Altitudes                                               | ≤1000 m **               |
| Accessibility                                           |                          |
| Switching Compartment                                   | Non-accessible           |
| Busbar Compartment                                      | Non-accessible           |
| Mechanism Compartment / Operating Parts                 | Tool and Interlock based |
| Cable Compartment                                       | Interlock based access   |

- 1. Smart Interlock & Custom-Designed Control Panel:** Safe and easy operation.
- 2. Limitless Accessibility:** A FL 16 kA (1s) IAC Class (A FLR Class with rear side arc chimney)
- 3. Flexible and Extensible Modularity and Design:** flexibility with removable solid bus bar system; Flexible solution for easy operation. Fast & Easy Assemble-Disassemble.
- 4. Switching Equipment and optional connections** for VTs are all contained in a single, SF6-filled, robot welded tank for a high quality sealing; safe for humid environments. Protected against any environmental effect with IP68 protection class.

| LOAD BREAK SWITCH & LOAD BREAK SWITCH-FUSE COMBINATION |                   |
|--------------------------------------------------------|-------------------|
| Rated Voltage                                          | 36 kV (rms)       |
| Between phases, phase to earth and Open contact gap    | 70 kV (rms)       |
| Across the isolating distance                          | 80 kV (rms)       |
| Between phases, phase to earth and Open contact gap    | 170 kV (Peak)     |
| Across the isolating distance                          | 195 kV (Peak)     |
| Rated Frequency                                        | 50/60 Hz          |
| Rated Normal Current                                   | 630/200 A         |
| Rated Short Time Withstand Current                     | 16/21 kA (rms)    |
| Rated Duration of Short Circuit                        | 1 s               |
| Rated Peak Withstand Current                           | 40/52,5 kA (Peak) |

\*Consult EKOSinerji Representative for higher limits.

\*\*Consult EKOSinerji Representative for applications higher than 1000 m

**EKOS GROUP**

note: subject to change without any notice, JDA pay no responsibility