

Ring Main Unit

Power distribution device



Powering the Future with Precision and Control

Engineered by EDMP, Smart Ring Main Unit is a compact, high-performance solution for medium-voltage distribution networks up to 36kV. Designed for urban and industrial applications, it ensures safe, reliable, and efficient power distribution while minimizing downtime and operational risk.

Equipped with intelligent monitoring, real-time diagnostics, and remote communication, the RMU enables automated, unattended operation and rapid fault response. With its advanced control capabilities, EDMP's RMU supports smarter grid management and enhanced operational efficiency—making it an ideal choice for modern, future-ready power systems.



Distribution Device



Features & Functions

Rated Voltage	• 17.5kV / 36kV
Rated Short-Circuit Breaking Current	• 21kA / 25kA
1-Minute Power Frequency Withstand Voltage (rms)	• 45kV / 80kV
Rated Peak Withstand Current	• 54.6kA / 65kA
Lightning Impulse Withstand Voltage(peak)	• 110kV / 200kV
Rated Short-Time Withstand Current	• 21kA / 25kA
Rated Frequency	• 50Hz / 60Hz
Duration of Rated Short-Circuit Current	• 3s
Rated Current	• 630A
Rated Short-Circuit Making Current	• 54.6kA / 65kA
1-Minute Power Frequency Withstand Voltage of Secondary Circuit	• 2kV
Mechanical Endurance	• 10,000 operations
Rated Operating Time	• O-0.3s-CO-180s-CO
Energy Storage Time	• ≤10s
Rated Short-Circuit Breaking Operations	• 30 operations
Operating Voltage of Mechanism	• DC24V

Operating Conditions

Item	Specification
Ambient Temperature	• Maximum Temp: +50°C • Minimum Temp: -25°C
Ambient Humidity	• Daily average relative humidity: %95 • Month average relative humidity: %90
Atmospheric Pressure	• Daily average saturated vapor pressure: $\leq 3 \times 10^{-3} \times 2.2 \text{ Mpa}$ • Monthly average saturated vapor pressure: $\leq 3 \times 10^{-3} \times 1.8 \text{ Mpa}$
Seismic Intensity	• Not exceeding Level 8

EDMP

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