

RING MAIN UNIT

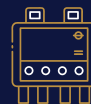
POWER DISTRIBUTION DEVICE



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

POWER 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

■ Technical Specification

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: $\leq 3 \times 10^{-3} \times 2.2$ Mpa Monthly average saturated vapor pressure: $\leq 3 \times 10^{-3} \times 1.8$ Mpa
Seismic Intensity	Not exceeding Level 8

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