



# EKTON

## MW switchgear

This small-size, universal **EKTON** medium-voltage indoor switchgear is designed for the reception and distribution of three-phase AC electricity at a rated voltage of up to 24kV and a frequency of 50 Hz in industrial and professional power distribution networks.

### **EKTON** switchgears are:

- ▶ universal
- ▶ interior
- ▶ compartmentless
- ▶ a single busbar system
- ▶ metal-shielded
- ▶ air-insulated
- ▶ equipped with air-insulated switchgear
- ▶ arc-protecting
- ▶ safe
- ▶ reliable

### Advantages of **EKTON** small-sized switchgear systems:

- ▶ Small size
- ▶ Design resistant to the effects of an internal electric arc
- ▶ Possibility to configure various switchgear systems
- ▶ Use of modern switch disconnectors with storage drive
- ▶ High corrosion resistance
- ▶ Easy operation and maintenance
- ▶ Reliability
- ▶ High operational security

Thanks to their compact size, **EKTON** switchgears can be installed in new and modernised energy stations, where there is little space to mount a large number of fields or expand the switchgear. **EKTON** switchgears can also be installed in container stations of metal or concrete housings

## TECHNICAL PARAMETERS

Rated voltage	24 kV
Rated frequency	50 Hz
Power frequency withstand voltage	50 kV
- to earth and between phases	
Power frequency withstand voltage	60 kV
- across the isolating distance	
Lightning impulse withstand voltage (1.2/50 $\mu$ s)	125 kV
- to earth and between phases	
Lightning impulse withstand voltage (1.2/50 $\mu$ s)	145 kV
- across the isolating distance	
Continuous rated current	630 A
- line field and busbars	
Continuous rated current	63 A
- transformer field	
Rated short-time withstand current	16 kA (1 s)
- main circuit	
Rated short-time withstand current	16 kA (1 s)
- grounding circuit	
Rated peak withstand current	40 kA
- main circuit	
Rated peak withstand current	40 kA
- grounding circuit	
IAC classification	AFL 16 kA 1 s
Degree of protection	IP 4X
- for manually operated	
Degree of protection	IP 4X
- for motor-operated	
IK degree of protection	IK 10
Dimensions: Width: 725 mm Depth: 725 mm	

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Promotion of entrepreneurship and increasing investment attractiveness of the voivodship in the context of measure 1.4.1  
 Regional Operational Programme for Podlaskie Voivodship for the years 2014 – 2020 Strengthening the capacity and competitiveness of the region's economy.

