



ZAKŁAD
WYTWÓRCZY
APARATÓW
ELEKTRYCZNYCH

SCCELL

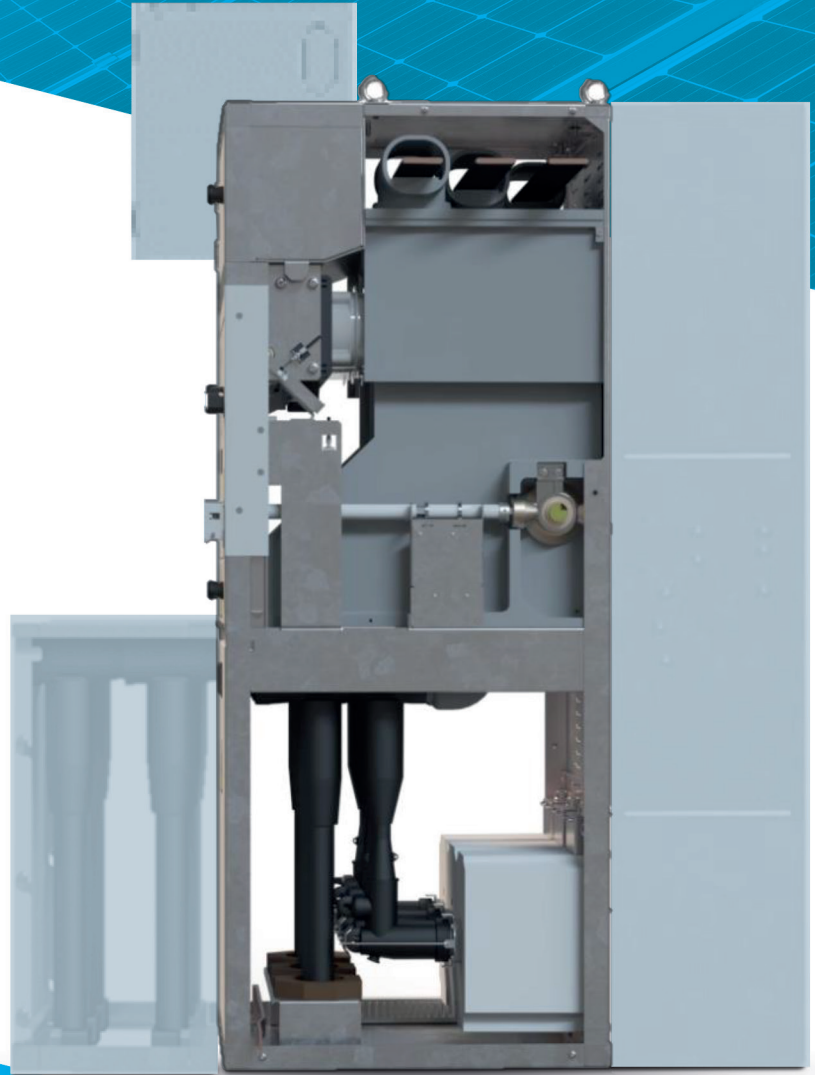
AIS MV COMPACT SWITCHGEAR 24kV 800A and 1250A



SF₆ FREE



READY
for regulations
2026



MAIN FEATURES

- Most compact solid and air insulation - SF₆ gas-free;
- Safe and reliable solution – vacuum circuit breaker and change over switch:
 - Extremely long electrical and mechanical life– 30.000 C-O
 - Ultra-fast operation – less than 30ms
- Smart Grid ready - remote operation possibilities as standard - electromagnetic drive;
- Internal Arc Classification A-FL; A-FLR (with rear attachment);
- Modular design – can easily be extended to the right or left;
- Interlocks that guarantee the highest level of safety for the operator;
- Customized control units – Multifunctional protection with protection relays,
- Perfect solution for expanding power distribution and replacing expired switchboards that no longer meet environmental regulations.



TECHNICAL SPECIFICATION

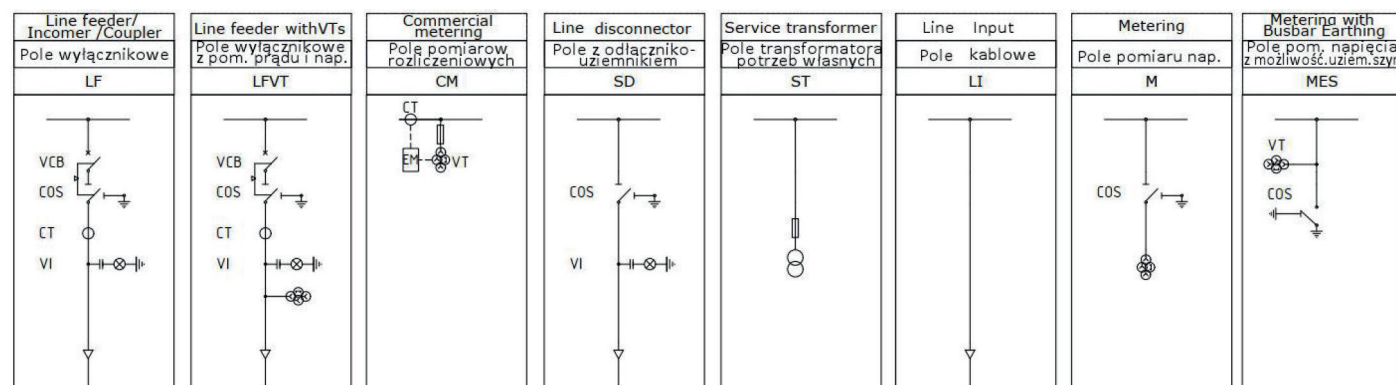
Type of panel	SG15_SCELL		SG25_SCELL	
	ISM25_LD	ISM25_Shell	ISM25_LD	ISM25_Shell
Applicable CB				
Rated voltage, kV	17,5		24	
Rated frequency, Hz	50/60		50/60	
Rated power frequency withstand voltage, kV	38		50	
Across COS and ISM open contacts, kV	45		60	
Rated lightning impulse withstand voltage, kV	95		125	
Across COS and ISM open contacts, kV	110		145	
Rated peak withstand current, kA	52	65	52	65
Rated short-time withstand current, kA (3s)	20	25	20	25
Rated current, A	800	1250	800	1250
Klasa odporności na działanie łuku wew. IAC	A-FL; A-FLR (with rear attachment)			
Isc, kA/1s	20	25	20	25
Loss of service continuity	LSC2B			
Partition type	PI			
Partial discharge level at 1.1 x U _{rated} , pC	<20 (przy 1.1 x U _r , pC)			
Degree of protection indoor	IP4X (IP41)			
Auxiliary voltage, V	24/48/110/220DC; 230AC			
Circuit breaker class	M2 (30.000CO), S2, E2, C2			
Autoreclosing cycle	0-0,3s-CO-10s-CO			
COS class as Disconnecter	M1			
COS class as Earthing switch	M1, E2			
Dimensions (WxDxH), mm	Standard LV compartment:		500x600(750) ¹ x1540 ²	
	Extended LV compartment:		500x600(750) ¹ x1695 ²	
	High LV compartment:		500x600(750) ¹ x2095 ²	
Rear attachment depth, mm	+ 325 (arc duct) ³			
Front attachment depth, mm	+ 300 (for 2 extra cables)			

1. Depth with ISM25_Shell.

2. Height with lifting lugs.

3. Switchgear panel with arc duct or COS motor option.

BASIC PANELS TYPES



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