

PANELS

CATALOGUE



CONTENT

INTRODUCTION.....04-05

MV SWITCHGEARS.....08-28

- MV SYSclad.....08-11
- MV RMSYS.....12-15
- MV SYStem6.....16-20
- MV SARING.....21-25
- MV SKCPS.....26-28

MV CAPACITORS BANK.....30-34

- AC Power Capacitors.....30-32
- AC Power Capacitors 3-Phase33-34

LV SWITCHGEARS.....36-47

- LV Techno Module.....36-41
- LV Transformer Panel TR.....42-43
- LV D-Pillar.....44-45
- LV D-Coffret.....46-47

ELSEWEDY SERVICES DEPARTMENT.....50-51

PROJECTS REFERENCE LIST.....52-68

Zaki ElSewedy Group was founded in 1938, as a supplier of electrical materials. In 1960, it was elected by the Egyptian Government as an integral supplier for the largest project at the time “The High Dam of Aswan”.

Since then, The Holding Company has evolved to include various subsidiaries in different market sectors; including AIIT SEI and SI with over 80 years of experience in the MEA region.

ElSewedy Engineering Industries has managed to sustain its success in a continuously changing market through a constant focus on innovation and evolving business practices, while maintaining the highest ethical standards and meeting customer needs.

ElSewedy Engineering Industries has been investing heavily over the past few years in order to expand its presence throughout the MEA region, by upgrading our distribution networks, increasing our regional warehouses, depots, distribution fleet, as well as opening our own showroom.



ELSEWEDY ENGINEERING INDUSTRIES (SEI)

M.V & L.V Panels

ElSewedy Engineering Industries SEI manufactures electrical panels since 2006. Providing flexible solutions to projects in medium voltage and low voltage distribution panels with latest technology and high quality.

Our factory SEI in 6th of October industrial zone, is equipped with the latest machinery and quality control facilities that ensure the dependability of our range throughout the years.

Our workforce is highly trained, technically capable and competent, working with unprecedented enthusiasm and confidence

OUR PARTNERS



MEDIUM VOLTAGE SWITCHGEARS



MV Primary Switchgear

"SYSCLAD"

SYSclad

SYSclad air-insulated switchboards equipped with vacuum circuit breakers are suitable for the primary distribution networks 12 kV according to IEC 62271-200.

SYSclad MV switchboard is composed of a standardized and modular series of panels of metal-clad type (LSC-2B), equipped with withdrawable WL/r - VCB.

Each panel and circuit is equipped with the necessary mechanical interlocks installed for the maximum safety of the operator.

All the functional units of the switchgear are separated, to guarantee the internal arc withstands according to IEC 62271-200 standards.

Arc-proof execution and high ingress protection allow these panels to be placed in extreme conditions.

They can be employed in power stations, HV/MV substations, industries and other special applications.

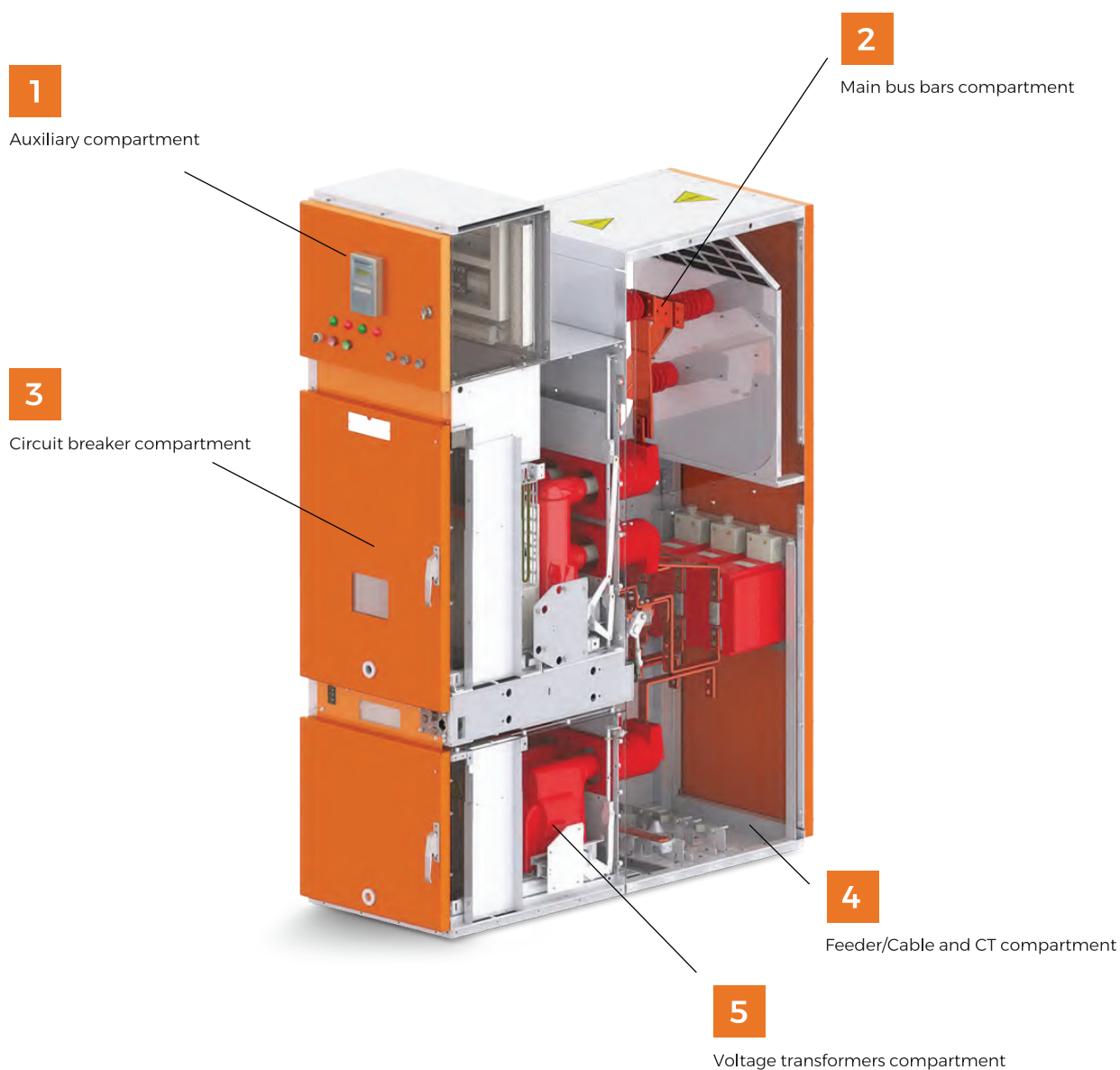
Specifications of the SYSCLAD Cubicle

Cubicle design base	SAREL Italy s.r.l
Circuit breaker	WL-r 17.5-31.5
Voltage	17,5 kV
Frequency	50 Hz
Normal current	1250 A
Short-circuit making current	80 kA
Short-time withstand current	31.5 kA
Short-circuit duration	3 s
Internal ARC classification	AFLR
ARC fault current	31.5 kA
ARC fault duration	1 s
Protection degree	IP4X



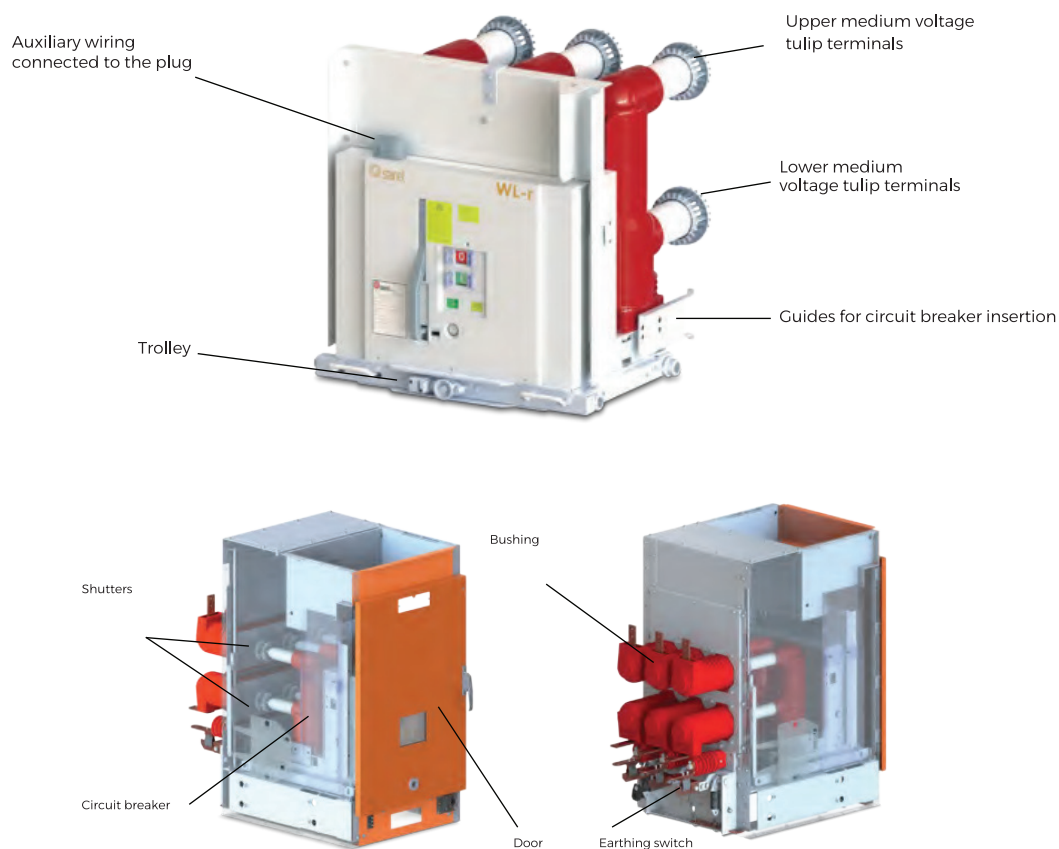
SYSCLAD Cubicle Compartments:

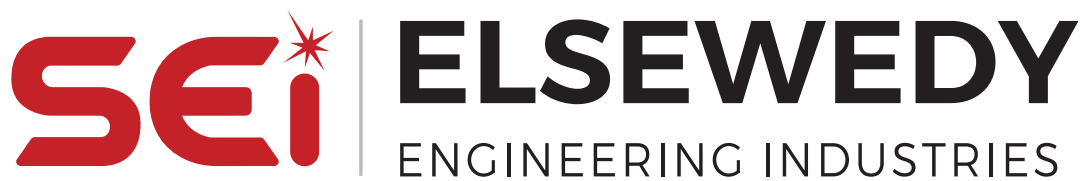
- 1- Auxiliary compartment
- 2- Main bus bars compartment
- 3- Circuit breaker compartment
- 4- Feeder /Cable and CT compartment
- 5- Voltage transformers compartment



Specifications of the SYSCLAD VCB

Type	WL-R.17.12.31
Interrupting medium	Vacuum
Auxiliary voltage (Vr)	110 V
Voltage	17.5 kV
Normal current	1250 A
Short-time withstand current	31.5 kA
Short-circuit making current	80 kA
Impulse test voltage, Peak (1.2/50) micro sec.	75 kV
Operating sequence	(O-0.3s-CO-15s-CO)
Power frequency withstand voltage, 50Hz, 1Min. (kV r.m.s)	28 Hz
Pole to pole center	210 mm
Number of auxiliary contacts	6NO + 6NC
Ambient temperature	45 °C





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