



## Medium Voltage Indoor, Arc –Proof, Air-Insulated Switchgear

Vacuum Circuit Breaker Panel upto  
17.5kV, 2500A, 31.5kA

# NEX 17.5





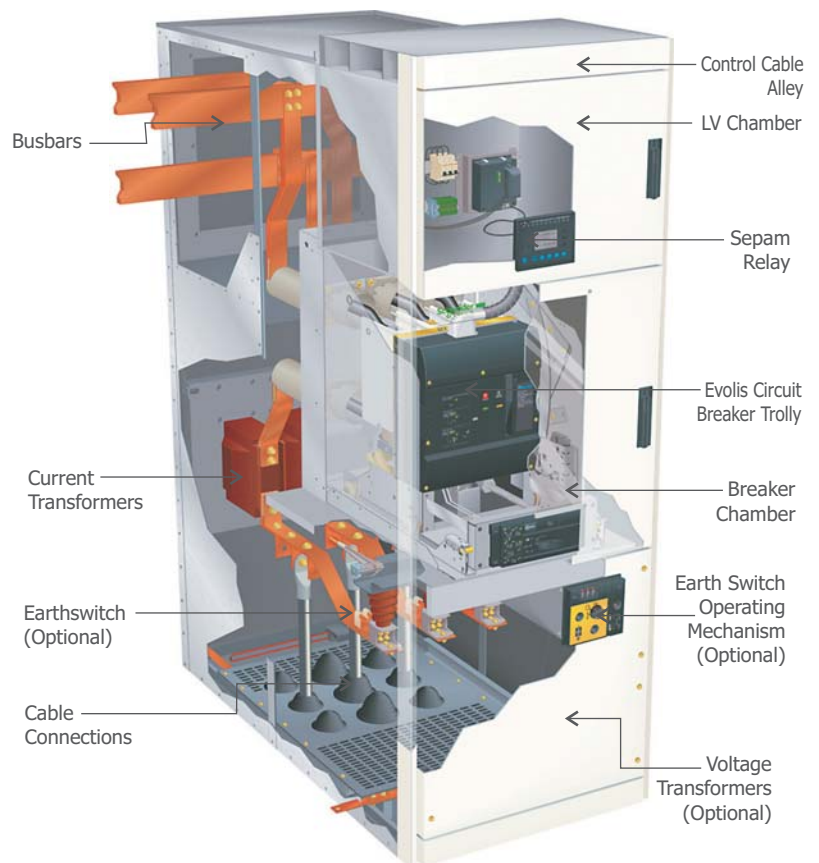
Pristine Switchgears (I) Pvt. Ltd. is a Licensee Partner of Schneider Electric Industries SAS for the local production and sale of NEX 17.5 switchboard. Pristine Switchgears has manufacturing unit in Pune, India. Established in 2007 Pristine Switchgears (I) Pvt. Ltd. has fulfilled facilities to manufacture more than 2000 panels per year.

### Salient Features of NEX 17.5

- Metal Clad Four Side Internal Arc Proof construction (IAC AFLR)
- Designed in conformation with the highest in class for minimum Loss of Service Continuity – ‘LSC-2B with metallic partitions.
- Constructed with Pre-Galvanized sheets without welding points, making it the most reliable switchgear in its range.
- Higher End Communicable Relays offer intelligent solutions for all the installation requirements
- It is virtually maintenance free and all the circuit breaker operations can be carried out with the door closed.
- Earthing Switch is provided as an option. It is rated for full making capacity and is provided with safe and reliable position indicators.
- All compartments can be accessed from the front, hence the switchgear can be placed against the wall.
- The switchgear is fitted with conventional or integrated protection and measurement systems.
- It is fitted with conventional instrument transformers or new generation sensors.
- Value added Engineering has been done on NEX 17.5 and is made suitable for the local adaptations.

### Salient Features of Evolis 17.5

- Compact in Size and Weight.
- Versatility – Suitable for protection of all types of application viz – cables, lines, motors, capacitors, transformers, bus sectioning of sources.
- Evolis in conformity with highest electrical endurance class (IEC 62271 – 100; class E 2). It is tested for 100 numbers full short circuit operations.
- Evolis in conformity with most demanding mechanical class (IEC 62271 – 100; class M 2). It is tested for 10000 switching operations at the rated current.
- Increased Safety.
- Reduced Maintenance – No preventive maintenance (Lubrication, Calibration) before 10,000 switching cycles at the rated current.

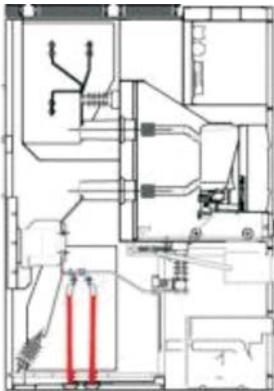


NEX 17.5

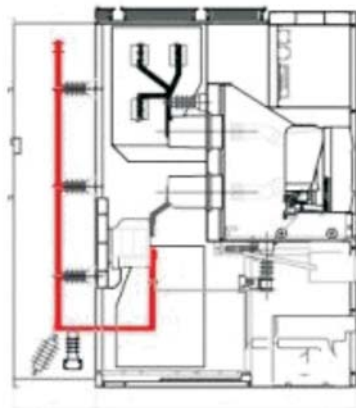
## Manufacturing Range

Rated Voltage (kV)									
					12		17.5		
Rated Insulation Level									
Power frequency withstand voltage 50 Hz - 1 min (rms kV)					28		38		
Lightning Impulse withstand voltage 1.2/50 $\mu$ s (kV peak)					75		95		
Rated Current (A)	630	•		•			•		
	1250		•		•			•	
	2500					•			•
Breaking Capacity (kA)	25	•	•			•	•	•	•
	31.5			•	•	•	•	•	•
Short time withstand current (kA/3 s)	25	•	•			•	•	•	•
	31.5					•	•	•	•
Internal Arc Withstand Performance					25 kA for 0.5 secs				
Dimensions (mm)									
Width (W)		650	650	800	800	900	800	800	900
Height (H)		2300							
Depth (D)	top entry	1935-2195							
	bottom entry	basic	1595						
		internal arc	1780						
Weight		1000 kg. approximately							

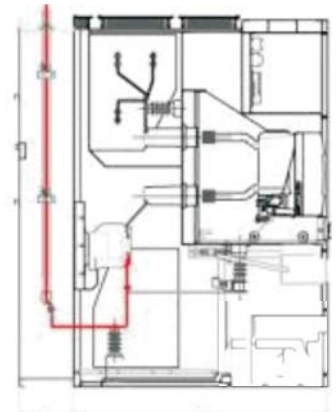
## Installation & Connection Types



Bottom cable connection



Top bar connection



Top cable connection



NEX 17.5 Switchboard



**Factory (Unit 1)**



**Factory (Unit 2)**

## **Pristine Switchgears (I) Pvt. Ltd.**

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