

# GV3N

36kV 800A...2500A UP TO 31.5kA  
SF<sub>6</sub> GAS INSULATED SWITCHGEAR

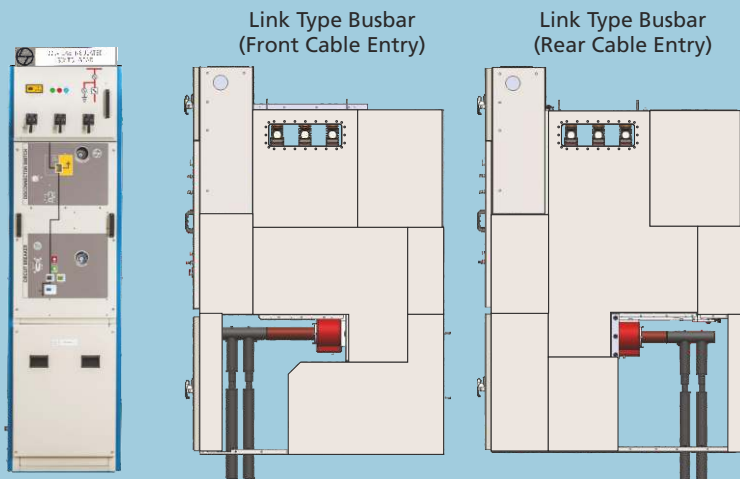


## Minimal maintenance, compact & modular SF<sub>6</sub> insulated distribution switchgear

Introducing L&T Electrical & Automation (E&A) GV3N modular SF<sub>6</sub> distribution switchgear, incorporating time tested vacuum interrupter based circuit breaker.

GV3N has been designed, keeping in mind the requirements of higher operational safety with minimal maintenance and sealed for life system. GV3N's modular design provides a perfect platform for building reliable distribution network in compact space.

With a worldwide after sales and service network, E&A ensures that the prompt support is provided by our experts at all time.



Type tested according to IEC 62271-100,  
IEC 62271-200 & IEC 62271-102

Loss of service continuity : LSC2A  
Ingress Protection Class : Panel - IP4X  
Tank - IP67

# Dimensions are per panel rating of 36kV upto 1250A  
\* Height and Depth may vary on different configurations.

### Electrical Characteristics

Rated Voltage	kV	36			
Rated Current	A	630	1250	2000	2500
Rated Frequency	Hz	50 / 60			
Rated Short Time Current	kA/3sec	26.3 / 31.5			
Rated short circuit Making Current	kAp	63/80			
Rated short circuit symmetric breaking Current	kA	26.3 / 31.5			
Rated Lightning Impulse Voltage (1.2/50 Micro Sec.)	kVp	170			
Rated a.c. 1 min pf voltage	kV rms	70			
Width#	mm	600	600	800	900
Depth*	mm	1600	1600	2200	2200
Height*	mm	2500	2500	2500	2500

\*Height and Depth may vary on different configurations.

### Design for safety

E&A regards safety as the most important specification of switchgear design and operation and the following proven safety features have been built into type GV3N.

- No exposure to live parts
- Operational safety due to incorporation of PERMISSIVE interlock, PROOF OF EARTH, POINT OF ISOLATION etc.
- Comprehensive pad-locking facilities
- Mimic diagrams and position indicators to guide the operators
- Arc fault tested at 31.5kA for 1sec

### Product variants Features

- Circuit breaker incomer and outgoing panel
- Bus sectioniser
- Bus Riser
- Metering panels
- Bus VT
- Line VT
- Surge arrester
- Most compact foot print with rigid structure
- VCB & 3 position disconnecter switch with SF6 Gas Insulation
- Busbar in SF6 gas with Link type inter panel connections
- Options: Seal- off Plug-in Busbar in SF6 Gas or Touch-proof Solid Insulation Busbar in Air also available
- Air Insulated Cable compartment with multiple power cable termination from Bottom Front, Rear Top & Bottom Rear of the panel
- Safe, positive and fool proof interlocks
- Cable door & VCB interlock (optional)
- Pad-lockable VCB & 3-position motorized isolator
- Fully modular design with extension on both sides
- SF<sub>6</sub> content approx. 4.5 Kg
- No rear access required in case of front cable entry
- No SF<sub>6</sub> handling at site with Touch-proof Solid Insulation or seal- off Plug-in Busbar arrangement (Not applicable for bolted design).

### Customer Benefits

- Reduces cubicle space by >35%
- Suitable for highly polluted environment
- Safe operation behind close door
- Ease of installation & sealed for life
- Peace of mind with almost zero maintenance
- Productivity maximization
- No fire risk



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