GV3N
36kV 800A...2500A UP TO 31.5kA SF₆ GAS INSULATED SWITCHGEAR

Minimal maintenance, compact & modular SF₆ insulated distribution switchgear

Introducing L&T Electrical & Automation (E&A) GV3N modular SF₆ 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.
**Electrical Characteristics**

<table>
<thead>
<tr>
<th>Rated Voltage</th>
<th>kV</th>
<th>36</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Current</td>
<td>A</td>
<td>630 1250 2000 2500</td>
</tr>
<tr>
<td>Rated Frequency</td>
<td>kHz</td>
<td>50 / 60</td>
</tr>
<tr>
<td>Rated Short Time Current</td>
<td>kA / 3 sec</td>
<td>26.3 / 31.5</td>
</tr>
<tr>
<td>Rated short circuit Making Current</td>
<td>kA</td>
<td>63 / 80</td>
</tr>
<tr>
<td>Rated short circuit symmetric breaking Current</td>
<td>kA</td>
<td>26.3 / 31.5</td>
</tr>
<tr>
<td>Rated Lightning Impulse Voltage (1.2/50 Micro Sec.)</td>
<td>kV</td>
<td>170</td>
</tr>
<tr>
<td>Rated a.c. 1 min p.f voltage</td>
<td>kV rms</td>
<td>70</td>
</tr>
</tbody>
</table>

**Product variants**

- Circuit breaker incomer and outgoing panel
- Bus sectioner
- Bus Riser
- Metering panels
- Bus VT
- Line VT
- Surge arrester

**Features**

- Most compact foot print with rigid structure
- VCB & 3 position disconnector 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
- SF6 content approx. 4.5 Kg
- No rear access required in case of front cable entry
- No SF6 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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**Design for safety**

E&Á 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 31.5 kA for 1 sec

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**L&T Electrical & Automation**

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The information contained herein is correct at the time of printing, but as products and manufacturing processes undergo continuous development, this information is subject to change without notice and the company cannot be held liable for any alleged misinterpretation hereover arising.

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**Sales Office – India**

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Kolkata, Mumbai, New Delhi, Pune,
Vadodara

**Sales Office – International**

Australia, Indonesia, Kenya, Kuwait,
Malaysia, Oman, Qatar, Saudi Arabia,
South Korea, Turkey, UAE