

The Vault-Type Transformer is designed for distribution network applications in vaults, chambers, or underground enclosures where occasional flooding may occur.

It provides a compact, safe, and reliable solution for urban and industrial distribution systems, enabling installation in confined spaces with high service continuity requirements.

This transformer is built to withstand the conditions inherent to underground environments, including exposure to water, humidity, and other harsh factors, while maintaining stable electrical performance and robust mechanical integrity.

## ACCESSORIES

- Off-load tap changer
- Pressure relief valve
- Oil level indicator, with or without contacts
- Temperature indicator, with or without contacts
- Lifting devices
- Nameplate
- Grounding connector
- Handhole for inspection and maintenance
- Drain valve with sampling
- Filler cap

| TECHNICAL CHARACTERISTICS             |                           |                                |
|---------------------------------------|---------------------------|--------------------------------|
| TYPE                                  |                           | Vault Transformer              |
| TERMINAL TYPE                         |                           | Dead front                     |
| DIELECTRIC                            |                           | Mineral or Ester oil           |
| SYSTEM                                |                           | Three Phase                    |
| POWER                                 | kVA                       | 300 - 5000 kVA                 |
| FREQUENCY                             | Hz                        | 60                             |
| CONNECTION GROUP                      |                           | Dy, Dd, Yy, Yd                 |
| THERMAL CLASS                         | °C                        | 120                            |
| COOLING                               |                           | ONAN - KNAN                    |
| INSTALLATION HEIGHT                   | m                         | 1000                           |
| TEMPERATURE RISE                      | °C                        | 65                             |
| MANUFACTURING AND TESTING STANDARD    |                           | IEEE C57.12.40, IEEE C57.12.24 |
|                                       | <b>HIGH VOLTAGE</b>       | <b>LOW VOLTAGE</b>             |
| MAXIMUM SYSTEM VOLTAGE                | Up to 36 kV               | 1.5 kV                         |
| BIL                                   | Up to 200 kV              | Up to 30 kV                    |
| CONDUCTOR MATERIAL                    | Aluminum or copper        |                                |
| TAPS                                  | 5 positions (+2,-2), 2.5% |                                |
| APPLIED VOLTAGE WITHSTAND, (1 MINUTE) | 34 kV                     | 10 kV                          |