



NETWORK VAULT-TYPE TRANSFORMER



Network-type submersible distribution transformers are primarily used in subway distribution circuits and other underground networks exposed to adverse environmental conditions, including potential flooding. Rymel network-type submersible transformers are designed to comply with NTC 380 and IEEE C57.12.40 standards, ensuring reliable and safe energy distribution even in the most demanding environments.

FEATURES

- Fully submersible transformer design
- Tank manufactured from corrosion-resistant stainless steel
- Dielectric fluid: mineral or biodegradable oil
- Panel-type radiators with robust construction, low maintenance requirements, and minimal risk of leakage
- Cable disconnection chamber
- Network-type primary disconnecter
- Dead-front primary terminals

ACCESSORIES

- Off-circuit tap changer
- Lifting devices
- Nameplate
- Grounding connector
- Handhole for inspection and maintenance
- Network-type disconnecting switch
- Oil level indicator, with or without contacts
- Temperature indicator, with or without contacts

For more information, please contact a Rymel representative.

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TECHNICAL CHARACTERISTICS				
TYPE		Submersible type Network		
MODEL		TSN-15		
TERMINAL TYPE		Dead front and submersibles		
DIELECTRIC		Mineral or Biodegradable		
SYSTEM		Three Phase		
POWER	kVA	750	500	300
FREQUENCY	Hz	60		
HIGH VOLTAGE				
VOLTAGE CLASS	kV	Up to 36		
RATED VOLTAGE	V	13200		
BIL, WAVE 1.2/50 μ s primary	kV	150		
SPANNER MATERIAL		Aluminum or copper		
TAPS		5 positions (+2,-2), 2.5%		
SUPPORTED VOLTAGE (1min)	kV	34		
LOW VOLTAGE				
MAXIMUM VOLTAGE	kV	1.2		
NOMINAL VOLTAGE	V	214		
SPANNER MATERIAL		Aluminum or copper		
SUPPORTED VOLTAGE (1 min)	kV	10		
CONNECTION GROUP		Dyn5		
THERMAL CLASS		Ao		
COOLING		ONAN - KNAN		
INSTALLATION HEIGHT	m	1000		
TEMPERATURE RISE	$^{\circ}$ C	65		
APPROXIMATE DIMENSIONS				
A. WIDTH	mm	2123		
B. DEPTH	mm	1010		
C.DEPTH	mm	1517		
TOTAL WEIGHT	kg	3861		
MANUFACTURING AND TESTING STANDARD		NTC 380, IEEE C57.12.40		

