Rymel

SWITCHGEAR BOXES

The Rymel brand switchgear line offers highly safe, insulated, and oil-cooled equipment for medium-voltage underground systems, excelling in sectionalizing operations under load.

Available in Pedestal and submersible types for single-phase and three-phase circuits, they feature control boxes with inputs, outputs, and multiple derivations.

Equipped with ON/OFF load-break disconnectors for safe switching operations, Rymel brand control boxes have a durable outer surface resistant to aggressive environments. Terminals of the dead front type ensure no exposed energized parts, enhancing reliability and versatility for various medium voltage network applications.

SWITCHGEAR BOX

These types of switchgear are used in underground distribution systems, These types of switchgear are used in underground distribution systems, installed on a base or concrete slab (pedestal) and equipped with built-in control elements. The equipment has dead front type terminals, that is, it does not have exposed energized parts and is located inside a cabinet, with compartments sealed with a safety plate.

SWITCHGEAR SUBMERSIBLE TYPE

This switchgear is designed for underground installations prone to flooding. Its special surface and high IP protection degree enable it to operate underwater and withstand saline and aggressive environments. Terminals and operation mechanisms are conveniently located in the upper part of the tank for easy installation. Maneuvering operations can be performed using a pole from the surface to sidewalk level, even in flooded conditions.

For more information, please contact a Rymel representative.

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TECHNICAL CHARACTERISTICS		
	SWITCHGEAR BOX	**SWITCHGEAR SUBMERSIBLE**
POWER	200 to 600 A	
WAYS	Up to 6 ways	
PHASES	1 or 3	
VOLTAGE CLASS	Up to 36 kV	
BIL	Up to 200 kV	
WINDING MATERIAL	Copper	
TEMPERATURE RAISE	Typically 65/65 °C, or according to customer requirements.	65 °C
TYPE OF INSULATION	Mineral or Biodegradable.	
TANK	Manufactured with cold rolled and hot rolled sheet steel with a design that allows it to withstand internal pressure and mechanical stress. Or with stainless steel.	
PAINT SYSTEM	Special electrostatic paint of great resistance and durability, especially for outdoors and corrosive environments.	
LID	Lid manufactured from carbon steel or stainless steel, either welded or bolted to the tank, featuring a sloped design that prevents water accumulation on its surface.	Lid made of welded or bolted stainless steel, with a design that prevents the accumulation of water on its surface.
GASKETS	Highly durable and compatible with dielectric oil, to guarantee the life of the equipment.	-
ACCESSORIES	- Dielectric Dead Front Type High Tension Bushings. (Pozuelos and inserts or integral and premolded elbows). - Support for parking hubs. - Oil level gauge. - Recirculation, drainage and sampling valve. - Grounding connector. - Lifting and fixing devices. - Nameplate made of high-strength anodized aluminum. - ON/OFF disconnector of 200 or 600 A with opening capacity under load, which allows maneuvering operations .	
	- Overpressure valve. operable under load. - Cabinets with door and security plate.	- Overpressure valve.
STANDARD	IEEE C37.74-2014, IEEE C37.30.3-2018, IEEE 386-2016, IEC 62271-102, IEC 62271-103.	
TESTS	**STANDARDS**	
VERIFICATION OF DIELECTRIC PROPERTIES (BIL AND POWER FREQUENCY).	NTC 5110:2005 - IEEE C37.71	
VERIFICATION OF TEMPERATURE RISE	IEEE C37.71	
VERIFICATION OF MECHANICAL OPERATION	IEEE C37.71	
LEAKAGE TEST	NTC 3609:2021 - IEEE C37.71	