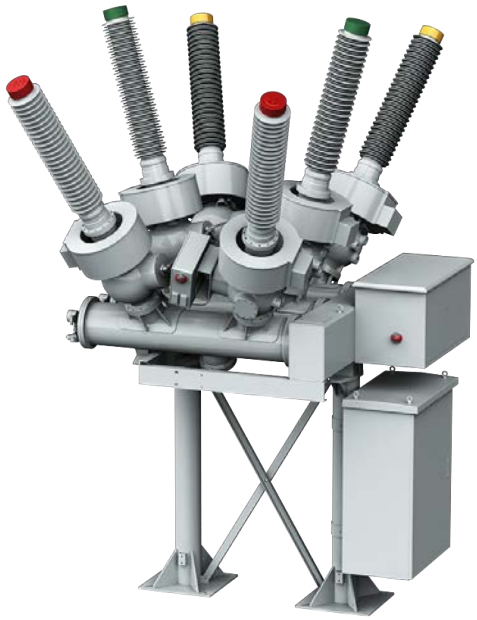
GRID
INFRASTRUCTURE SOLUTIONS

DEAD TANK CIRCUIT BREAKERS



72.5kV Dead Tank Circuit Breaker

Applications:

GRID offers a comprehensive range of dead tank circuit breakers that support a voltage rating up to 550kV to protect electrical equipment and improve grid stability. These dead tank circuit breakers are often used in high-voltage substations, power generation facilities, renewable energy integration, grid expansion, and rural power distribution.

Features:

- **Reliable Performance:** Suitable in any circuit breaker application for listed ratings, meeting the requirements of networks up to 145 kV for power generation and transmission.
- **Easy Integration:** Breakers are completely factory assembled, wired and tested before delivery, using compact design common to all substation applications including network extensions.
- **Certified Quality:** Dead Tank Circuit Breakers are designed, manufactured, tested and delivered our in accordance with all applicable standards (ANSI, IEEE) maintaining quality assurance.

Lead Time:

Approximately **3-12 months** after drawings approved.

**Photos shown for visual reference only—actual product specifications may vary based on manufacturing and order requirements.*

DEAD TANK CIRCUIT BREAKERS

Specification			Unit	Technical Parameters	
Rated Voltage			kV	72.5	145
Rated Insulation Level	Power Frequency Withstand Voltage	Across Isolating Distance	kV	160 + 42	315
		Phase To Earth	kV	160	275
	Lightning Impulse Withstand Voltage	Across Isolating Distance	kV	380 + 60	750
		Phase To Earth	kV	380	650
Rated Frequency			Hz	60	
Rated Current			A	3150	
Rated Short-Circuit Breaking Current			kA	40	
Rated Short-Circuit Closing Current (Peak value)			kA	100	
Rated Short-Time Withstand Current			kA	40	
Rated Short Circuit Duration			s	3	
Rated Peak Withstand Current			kA	100	100/104
Rated Operating Sequence			-	O-0.3s-CO-180s-CO	
SF6 Gas Rated Pressure (20°C)			MPa	0.65	
Annual Leakage Rate of SF6 Gas			%	≤0.1	
Mechanical Endurance			Times	10,000	
Electrical Endurance			Times	≥20	

Important Information When Ordering:

- Double-check all electrical parameters
- Double-check operating voltage
- Number of current transformers, ratio, level combination, seconary load
- Use GRID intake form for requirements
- Environmental condition requirements (ambient temperature, altitude, environmental pollution level
- Name and quantity of spare parts, special tools, and equipment (sold seperately)

GRID INFRASTRUCTURE SOLUTIONS
5 Park Plaza, Suite 640
Irvine, CA 92614

Email: sales@grid-infrastructure.com
Phone: +1 (949) 570-8998
Website: grid-infrastructure.com