

# Type S27(A) Vacuum Circuit Breaker Retrofit

## Replacement for Reyrolle S27A Type Air Breakers

P&B started developing vacuum retrofit circuit breakers in 1991. Since then, we have become a market leader by designing, type testing and introducing many medium voltage vacuum breaker designs to replace air and oil break circuit breakers manufactured by a range of UK suppliers.

In many cases ageing switchgear can be given a life extension of up to 30 years by simply replacing the circuit breaker, as the switchgear fixed portion is usually almost as good as new.

### Benefits of Retrofit Switchgear:

- » Increased operating reliability and safety
- » Enhanced short circuit ratings available
- » Reduced maintenance and environmental impact
- » Elimination of hazardous materials such as asbestos
- » Service life can be extended by up to 30 years

### Benefits over replacing complete switchboards include:

- » Significant overall cost savings
- » Minimal disruption to site and supplies
- » No need to disturb or replace HV cables



Our S27 circuit breaker range has been designed for total reliability. It utilises the ABB VD4 vacuum circuit breaker which has a proven global track record designed to achieve trouble free performance over many thousands of maintenance free operations.

Our offering utilises many parts from the original truck including the original frame, contact arms, racking and interlock mechanism ensuring a perfect fit into your existing cubicle with no alterations. All current carrying parts are fully refurbished & re-plated. The unit is completely re-wired to your specific requirements. Many options including fused versions are already designed & available for this unit sometimes above your original specification. We also offer full cubicle refurbishment including CT and protection upgrade specific to your requirements either on site or factory finished units. A full installation and commissioning service is always available.

### RATINGS AVAILABLE

Maximum System Voltage	kV	3.3
Rated Power Frequency Withstand	kV	10
Basic Impulse Level	kVp	40
Normal Rated Current	A	up to 1250A
Short Circuit Breaking Current	kA	up to 31.5 rms
Short Time Current	kA 3secs	31.5
Peak Making Current	kAp	79
Mechanical Endurance Performance		> 10,000 Operations