

HV/MV Equipment

Railway Disconnectors and Load Switches



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The railway network has to be globally interconnected, and the connection between systems with different voltages and frequencies (electrical borders) can only be achieved through the disconnecting points that decouple them.

Disconnectors are an essential element of the supply systems (overhead conductors or ground level wires) that feed the trains. Their function is to disconnect the cells that make up the line in order to supply energy only when a train is running.



S2V Load Switch up to 2,000 A

The S2V is a new generation load switch specifically designed for railway applications and based on a well-proven design to provide both reliability and high performance over the years.



S2DA Center Break Disconnectors up to 2,500 A

The S2DA disconnector is one of the most commonly used types in the world thanks to its simple, efficient design. It is a rugged performer even in the most adverse operating conditions.



S3C Double Side Break up to 2,500 A

The S3C is a low profile, reduced phase-to-phase distance double side break switch which offers additional space savings - a key advantage when designing your substation.



S3F Vertical Break up to 2,500 A

The S3F disconnecter is specifically designed for railway applications with a reduced phase-to-phase distance and is a rugged performer even in the most adverse operating conditions.



S2CRE Side Break up to 2,500 A

The S2CRE disconnecter is specifically designed for railway installations with easy assembly and reliability provided by the small number of components and the simple open/close movement.

Services for Disconnectors

Disconnectors guarantee the safety of the people working on high voltage networks, providing a visible and reliable air gap isolation. With the experience of more than 100,000 high voltage disconnectors manufactured and installed, GE supports customers' needs to minimize equipment failure rates while maximizing employees' safety.

These services, performed by local trained and certified Field service engineers, allow fast response time and cost effective service for optimized customer asset availability and life time.



Asset Lifecycle Management Services

Optimize asset maintenance and replacement strategies with GE's Asset Lifecycle Management services.

Site inspection

- Visual, functional inspections and electrical tests
- data checks and first hand diagnostics by GE Experts

Disconnecter online monitoring

- Online condition monitoring device as retrofit solution for all types of disconnectors
- Monitoring of active parts temperatures and motors
- Measurement of travel curve and speed control of the live part during opening and closing
- Remote condition monitoring data analysis and alarm management



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