36 kV Modular MV Switchboard

630 A | 16 kA / 1 s | 3 modular cubicles

MV Panel

STE-MVP-36KV-630A-16KA-3C

Modular Medium-Voltage Switchgear

Management Systems & Reference Standards

SPRINT TECHNOLOGY LLC	SPRINT TECHNOLOGY LLC	SPRINT TECHNOLOGY LLC	PRODUCT STANDARD	PRODUCT STANDARD
ISO 9001:2015	**ISO 14001:2015**	**ISO 45001:2018**	**IEC 62271-1**	**IEC 62271-200**
Quality management system	Environmental management system	Occupational health & safety management system	Common specifications	Metal-enclosed switchgear

ISO: Sprint Technology LLC management systems only. IEC: reference standards; no product certification implied.



Technical Specifications

Product Name	36 kV MV Switchboard
Panel Type	Modular metal-cubicle assembly
Rated Voltage	36 kV equipment rating
Rated Current	630 A
Short-Time Withstand	16 kA for 1 s
Cubicle Count	3
Insulation	Air-gas; architecture to agreed design
Switching Functions	Disconnectors / LBS / CB to approved SLD
Earthing	Interlocked earthing switches
Voltage Indication	Capacitive voltage presence indicators
Protection	CTs, toroid and microprocessor relay
Auxiliaries	Heaters, lights, signals and aux. circuits
Metering Interface	Configured for specified VT arrangement
Busbars / Links	Complete busbars and inter-cubicle links
Dimensions	To approved manufacturing drawings

Product Overview

The Sprint Electric modular medium-voltage switchboard supports power distribution, switching and protection in a 36 kV, 630 A, 16 kA for 1 s configuration with three metal cubicles. Air-gas construction and each cubicle function are configured to the agreed single-line diagram and application. The assembly incorporates protected switching, interlocked earthing, CT/toroid sensing, microprocessor protection, auxiliary circuits and internal connections. Product image is illustrative; final construction follows the approved design.

Standard Scope

- Complete busbar system and inter-cubicle connections
- Disconnectors, load-break and circuit-breaker functions
- Interlocked earthing and capacitive voltage indication
- CTs, protection toroid and microprocessor protection relay
- Auxiliary circuits and signalling devices
- Anti-condensation heaters and internal lighting
- Earthing collector, connections and cable supports
- Accessories for the configured assembly

Configuration Options

- Feeder lineup to the approved single-line diagram
- Air-gas architecture and medium to the agreed design
- CT ratios, relay functions and auxiliary supply to requirement
- Remote interfaces and motorization as specified

Documentation & Verification

- Electrical diagrams and manufacturing drawings
- Declaration of conformity and test documentation
- Configuration and functional checks
- Routine-test evidence for the assembled equipment
- Final performance supported by manufacturer records
- Final construction and interfaces to the agreed design

Applications

Power Substations | Industrial Plants | Renewable Energy | Railway Systems | Utility Grid