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ABB launches front access Cyberex® SuperSwitch®4 digital static transfer switch

208V and 480V SuperSwitch®4 digital static transfer switches (DSTS) offer improved Data Center power quality detection, reliability, and serviceability

ABB has improved upon the Cyberex® SuperSwitch®4 DSTS product line with new designs for 200A, 250A, and 400A requiring front access only for installation, operation, and maintenance. Building on the 40 years of experience in designing and manufacturing DSTS systems, the new front access SuperSwitch®4 design will continue to redefine power reliability and safety for Data Centers with its user-friendly interface, improved serviceability, and best in class performance.

The front access SuperSwitch®4 models perfectly balance both safety and accessibility concerns with further compartmentalization between the input/output connections, molded case switches, and logic components while ensuring installation can be conducted via the front of the unit only. Preserving its innovative 10.4" LED color touch screen display, intuitive software-guided bypass features and externally accessible customer USB connection, the new front access SuperSwitch®4 models also include an isolated UIB compartment for customer connections that is centrally located at the top of the unit, and can be accessed either from the front or the top. By eliminating the side clearance requirement for installation or thermal scanning of breaker connections, the front access SuperSwitch®4 design also effectively reduces the required floor space by 30 percent, thus allowing customers the ability to fully optimize the usage of valuable white space.

The SuperSwitch®4 is designed with a 'true' fault-tolerant architecture, ensuring there is truly no single point of failure by utilizing patented transfer algorithms and robust electrical components. It boasts improved power quality detection that is immune to harmonics and load imbalance between the phases. In applications with downstream transformers, the SuperSwitch®4 limits potential high transient inrush currents using state of the art digital signal processors and a newly developed algorithm called Real Time Flux Control™ for dynamic inrush restraint (DIR). The results of this innovative approach are out of phase transfers up to 25% faster and inrush currents that are 40% lower than the SuperSwitch®3. This intelligent proprietary technology ensures performance that exceeds CBEMA and ITIC standards, regardless of phase drift between sources.

The Cyberex® SuperSwitch®4 is part of ABB's broad range of products and integrated solutions that ensure data centers operate with optimum reliability and efficiency. From power distribution systems to enterprise management and grid connections, ABB provides savings in installation, energy, space and maintenance.

ABB (ABBN: SIX Swiss Ex) is a pioneering technology leader in electrification products, robotics and motion, industrial automation and power grids, serving customers in utilities, industry and transport & infrastructure globally. Continuing more than a 125-year history of innovation, ABB today is writing the future of industrial digitalization and driving the Energy and Fourth Industrial Revolutions. ABB operates in more than 100 countries with about 136,000 employees. www.abb.com

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