Transfer Switches: Keep critical power on with Eaton's Dual Auto Technology

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Eaton's Bypass Contactor Automatic transfer switch (ATS) is designed to provide unmatched performance, reliability and versatility for critical standby power applications. Under CSA 178, the bypass contactor is required to have the same ratings, carry the same load and perform the same basic functions as the ATS contactor. This has been typically accomplished with the bypass operating as a manual transfer switch, which requires a technician to stand by for a manual transfer in the event of a power outage while the main ATS contactor is isolated for inspection or maintenance.

This is where Eaton saw an opportunity to advance the bypass isolation design by offering a unique dual ATS capability as a standard on all of its bypass contactor units.

The Eaton design allows the switch controller to remain active in both the ATS and bypass modes, thus providing an automatic bypass switch and an automatic transfer switch within a single assembly. This delivers true "N+1" redundancy, allowing the bypass contactor to rapidly connect alternate power to the load if an unplanned outage occurs while the main ATS is being tested or serviced.

Why is this feature important for your critical facility?

• With the self-acting operation of bypass switch, you can ensure the fastest possible restoration of power. CSA Z32 - Essential Electrical Systems for Hospitals - requires power restoration within 10 sec for vital branches.

• It eliminates the need to rely on a technician in standby for manual transfer, which allows for a more efficient and reliable maintenance process.

• With minimized human interaction, it reduces the unnecessary exposure to voltage and arc flash hazards.