

BT300 with Bypass Options



Water Efficiency



Energy & Atmosphere



Indoor Environmental Quality

Important Note:

VFD products are only available through authorized distribution channels. To locate an authorized distributor, please contact a Siemens Building Technologies representative at: **1.800.516.9964**.



BT300 Variable Frequency Drives with Bypass Options.

Description

The BT300 was designed from the onset with reliability in mind. The BT300 is the first VFD in today's market which has utilized ALT testing from product design to production deployment.

However in today's market, some customers want additional assurance their equipment will run regardless of the situation. To accommodate these situations, Siemens has developed a companion product for the BT300, the BT300 with Bypass Options.

As the word indicates, a "bypass" is defined in an engineering spec as a means of taking the drive out of the electrical power loop while keeping the HVAC system up and running.

BT300 is available with two types of bypass options. The BT300 with Conventional bypass is designed with 2 contactors and a service switch or the traditional 3-contactor configuration to bypass the drive, and incorporates selector switches and indicator lights to accomplish its primary functions. The second option, an Electronic bypass utilizes internal control boards that act as the brains and eliminates the control wiring, relay logic, terminal blocks and replaces them with advanced built-in features accessible from an electronic keypad.

Features

- Contactors electronically interlocked
- Advanced diagnostic board built into the bypass for determining status of
 - M1 and M2 contactors
 - Overload
 - Customer supplied start/stop
 - Status of Essential Services
- Step-down transformer with fused primary and thermal fused secondary circuit
- Fused disconnect or circuit breaker Option
- 100,000 AIC short circuit rating
- Customer Supplied Terminal strip

Conventional Bypass Control:

- Drive test switch
- Drive-Off-Bypass selector
- Bypass Light
- Fused disconnect or circuit breaker
- Optional 2-contactor with service switch or 3-contactor design (input, output and bypass)

Electronic Bypass Control

- Auto Bypass
- Option to install 8 separate safety circuits
- Fieldbus in Bypass
- Essential Service Mode (Fire mode)
- Damper Interlock
- Remote start via network