

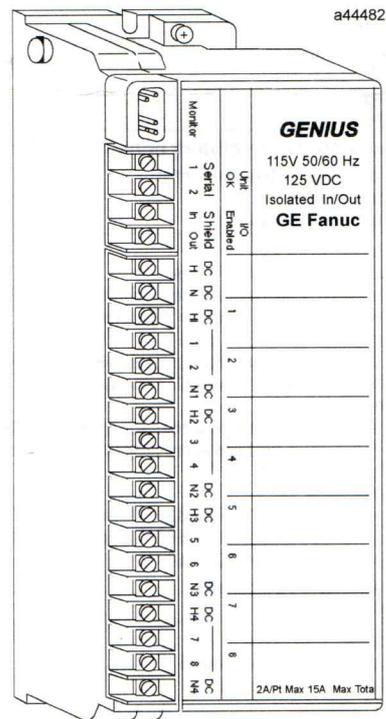
115 VAC/125 VDC Isolated I/O Blocks

115 VAC/125 VDC Isolated Genius I/O blocks have four isolated groups of two I/O circuits, each rated to operate at a nominal 115 volts AC or 125 volts DC.

- **115VAC/125VDC 8 Circuit Isolated I/O Blocks** (IC660BBS102 and BBS100). These blocks report a Failed Switch diagnostic if any output's commanded state is not the same as the actual state of the block's own internal switch.
- **115 VAC/125VDC Isolated I/O Blocks without Failed Switch Diagnostic** (IC660BBS103 and BBS101). For applications where field wiring such as manual switches will be wired in parallel with block outputs. These blocks ignore differences between an output's commanded state and the actual state of the block's internal switch.

Isolation is rated to withstand 250 VAC/VDC continuous between any group and ground or between any two groups. Transient rating is 2000V peak for 10 sec.

Control power for the block is tapped off the input/output device voltages wired to the terminals. The block has terminals for a separate power source for the internal electronics. The block power supply can be independently either AC or DC. The block need not be powered in the same manner as the circuits.



Features

Configurable features of these blocks include:

- AC/DC circuit voltage
 - Output Pulse Test capability
 - Selectable Input Filter Time from 10mS to 100mS
 - Output powerup defaults
 - Output Hold Last State or default
 - CPU Redundancy type
 - Bus Switching Module control
- Electronic fusing is built into each circuit used as an output. The circuit is shut down 5 μ S after a short occurs. It can be easily restarted from a Hand-held Monitor or from the CPU. The blocks perform these additional diagnostic checks:
- Overtemperature Open Wire for tristate inputs.
 - Detection of loss of I/O power on pairs of circuits
 - Overload Detection and Shutdown
 - No-Load Detection