

# Specifications

<b>Block Type:</b> 115VAC/125VDC Isolated I/O Block: Terminal Assembly Only: Electronics Assembly Only: 115VAC/125VDC Isolated I/O Block, No Failed Switch: Terminal Assembly Only: Electronics Assembly Only:	8 ckt isolated input/output in 4 isolated pairs IC660BBS102, replaces IC660BBS100 IC660TSS100 IC660EBS100 IC660BBS103, replaces IC660BBS101 IC660TSS100 IC660EBS101	
<b>Size (height x width x depth):</b> <b>Weight:</b> <b>LED's (I/O Block):</b> <b>LED's (each circuit):</b> <b>Block to Block Isolation:</b> <b>Heat Dissipation:</b>	8.83" (22.44cm) x 3.50" (8.89cm) x 3.94" x (10.00cm) 4 lbs. (1.8 kg) Unit OK, I/O Enabled On logic side of switch 1500 V 16.8W max. with 8 inputs on, 45.6W max. with 8 outputs at 2 amps	
<b>Operating Temperature</b> <b>Storage Temperature</b> <b>Humidity</b> <b>Vibration</b>	-0 to +60C (32 to +140F) -40 C (-40 to +212F) 5% to 95% (non-condensing) 5-10 Hz 0.2" (5.08mm) displacement, 10-200 Hz at 1G	
<b>Required control power (block only):</b>	8 Watts maximum	
<b>Operating voltage (four sources):</b> <b>Frequency/ripple:</b> <b>Power supply dropout time:</b>	<b>93-132 VAC</b> 47-63 Hz 1 cycle	<b>105-132 VDC</b> 10% max. ripple 10mS
<b>Input Characteristics:</b> Non-tristate input, OFF state: Minimum voltage across input device (IN to H) Maximum leakage through input device Non-tristate input, ON state: Maximum voltage across input device (IN to H) Maximum switch current threshold Tristate input: OFF, acceptable voltage across input device (IN to H) ON, maximum voltage across input device (IN to H) Input load network: Resistor to N Capacitor to H: for blocks BBS100 and BBS101 Capacitor to H: for blocks BBS102 and BBS103 Input processing time (typical) Selectable input filter times Input diagnostics	<b>For AC</b>  60 VRMS 1 mA  20 VRMS 6 mA RMS  16 VRMS-40 VRMS 4 VRMS  13K ohms .22 µf .1 µf 2mS + filter	<b>For DC</b>  70 VDC 2 mA  35 VDC 5 mA  16 VDC-35 VDC 3.5 VDC  13K ohms .22 µf .1 µf 0.8mS + filter
<b>Output Characteristics:</b> Output current (steady state) Maximum inrush current Output Leakage: Current at 0 volt output: for blocks BBS102 and 103 Current at 0 volt output: for blocks BBS100 and 101 Voltage at open output: for blocks BBS102 and 103 Voltage at open output: for blocks BBS100 and 101 Output switch (OFF to ON/ON to OFF) Rated switching frequency at maximum inrush Turn-on delay (maximum) Voltage drop (at 2 amps) Voltage drop (at 20 amps inrush) Minimum load (No Load disabled) Resistive: for blocks BBS102 and BBS103 Resistive: for blocks BBS100 and BBS101 Inductive: for blocks BBS102 and BBS103 Inductive: for blocks BBS100 and BBS101 No Load enabled threshold Maximum block output current Fusing Output diagnostics	<b>For AC</b> 2 amps 25 amps (2 cycles)  7 mA 13mA 65 volts 95 volts Zero crossing Once per second 0.5 Hz + 1mS 2.5 volts 10 volts  25 mA 30 mA 40 mA 100mA 50mA	<b>For DC</b> 2 amps resistive 9 (1 amp inductive*) 25 amps (10mS peak)  2 mA 2 mA 40 volts 40 volts --- Once per second 1mS 2.5 volts 10 volts  10 mA 10 mA 10 mA 10 mA 50 mA
	15 amps at 35 C, 7.5 amps at 60C Internal electronic short circuit trip. 100ms (AC), 10ms (DC) long time trip Short Circuit, Overload, No Load, Overtemp., Loss of I/O Power. Also, for blocks BBS100 and BBS 102 only: Failed Switch	

\* DC inductive load rating is 2 amps with external flyback diode or other coil suppression.