

TECHNICAL DATASHEET #TDAX080151
DC/DC 24 V - 120 V 230 W
Axiomatic P/N: AX080151

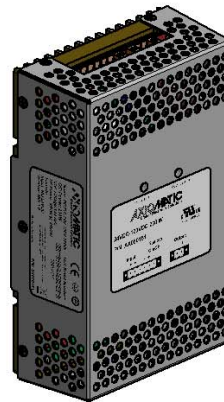
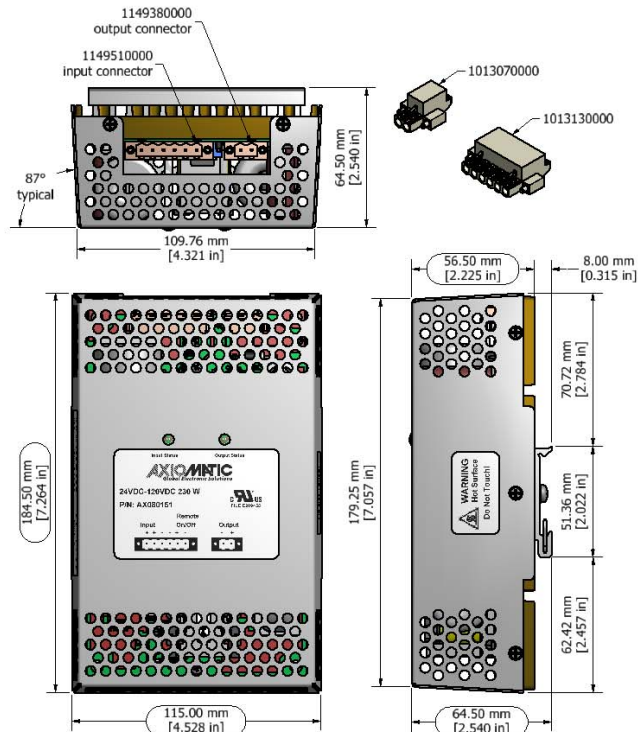
Features:

- Powers devices at 120Vdc up to 2 Amps (230 W)
- On/Off control with low power standby
- Parallel, redundant capability
- Isolation
- 24Vdc nominal voltage input
- Reverse polarity protection
- Inrush current limited
- Operational from -40 to 70°C
- IP20 protection
- DIN rail mount
- CE mark
- cURus and CB marking

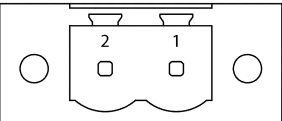
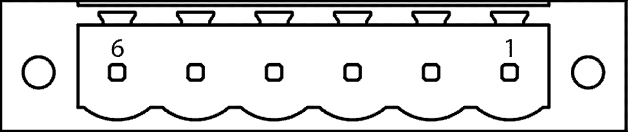


Ordering Part Numbers:

Axiomatic P/N: AX080151



Technical Specifications: *Specifications are indicative and subject to change.*

Input Specifications		Output Specifications																
Power Source	24 Vdc nominal	Nameplate Rating (Output Power)	230 Watts nominal															
Operating Voltage Range	19-32 Vdc continuous	Output Current	2 Amps continuous Current limited to 2.5A															
Reverse Voltage and Inrush Current Protection	Provided	Output Voltage	120Vdc \pm 7%															
Over-voltage Shutdown	33 Vdc typical	Line Regulation	\pm 1% max.															
Under-voltage Shutdown	16 Vdc typical	Output Voltage Ripple	1% maximum															
Remote On/Off	15-32Vdc turns unit ON. 0-5Vdc turns unit OFF.	Turn-on Time (with full load)	1.3 sec @ 19-32Vdc															
		Stability	Stable at all loads (no minimum load requirement)															
		Over-voltage Shutdown and Latched	140 Vdc max.															
		Short Circuit Current	Protection provided Hiccup Self-recovery															
General Specifications																		
Isolation	500Vdc On/off signal, input, output and chassis are isolated.	Electrical Connections: Mating plugs are included. 2-pin male header Weidmüller P/N: 1149380000 accepts 14-18 AWG wires for Output connection. 2-pole female plug Weidmüller P/N: 1013070000 <div style="text-align: center;"> Output + -  </div>																
Average Efficiency	92% Typical																	
LED Operation	<table border="1"> <thead> <tr> <th>Function</th> <th>Colour</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td>Input</td> <td>Green</td> <td>ON</td> </tr> <tr> <td>Status</td> <td>None</td> <td>OFF</td> </tr> <tr> <td>Output</td> <td>Green</td> <td>ON</td> </tr> <tr> <td>Status</td> <td>None</td> <td>Off</td> </tr> </tbody> </table>	Function	Colour	Status	Input	Green	ON	Status	None	OFF	Output	Green	ON	Status	None	Off	6-pin male header Weidmüller P/N: 1149510000 accepts 14-16 AWG wires for input connection Use 14-26 AWG wires for Remote On/Off connection. 6-pole female plug Weidmüller P/N: 1013130000 <div style="text-align: center;"> Remote Input On/Off - + - - + +  </div>	
Function	Colour	Status																
Input	Green	ON																
Status	None	OFF																
Output	Green	ON																
Status	None	Off																
Operating Temperature	-40 to 70°C (-40 to 158°F)																	
Storage Temperature	-40 to 85°C (-40 to 185°F)																	
Humidity	5-95% relative humidity (non-condensing)																	
Protection rating	IP20																	
Shock	40 G, 6 ms, 10 pulses, 3 axes																	
Vibration	EN 60068-2-6, Test Fc																	
EMI/EMC	CE EN61000-6-2 EN61000-6-4																	
UL	cURus recognized (UL60950/ CAN CSA 22.2 No. 60950) CB Test Certificate																	
Weight	2.80 lbs. (1.27 kg)	Packaging and Dimensions	DIN rail, T35 Aluminum enclosure 4.53 x 7.26 x 2.54 inches 115.0 x 184.5 x 64.5 mm (W x L x H including DIN rail)															

Form: TDAX080151-05/11/16