

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

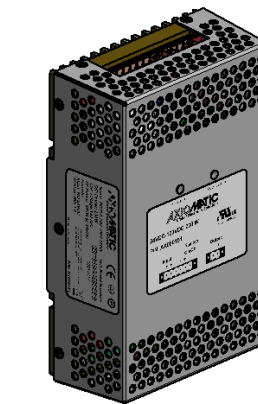
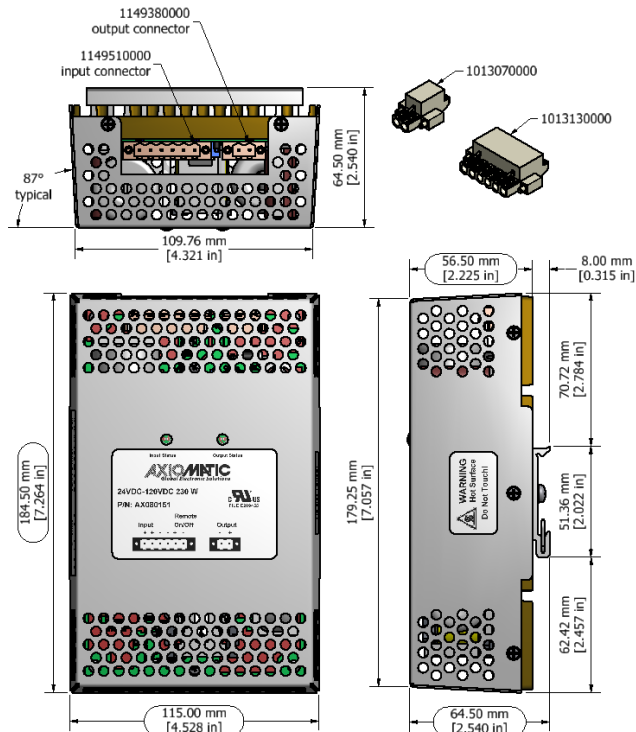
Features:

- CE mark
- UL recognized
- 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



Ordering Part Numbers:

Axiomatic P/N: AX080151



unit label detail

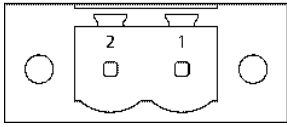
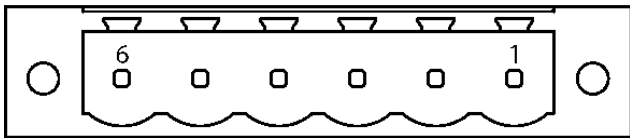


side label detail



warning label detail

Technical Specifications:

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.		
Average Efficiency	92% Typical		
LED Operation	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)		
Weight	2.80 lbs. (1.27 kg)		
		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	
		Output + - 	
		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	
		Remote Input On/Off - + - - + + 	
		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)

Specifications are indicative and subject to change. Actual performance will vary depending on the application and operating conditions. Users should satisfy themselves that the product is suitable for use in the intended application. All our products carry a limited warranty against defects in material and workmanship. Please refer to our Warranty, Application Approvals/Limitations and Return Materials Process as described on <https://www.axiomatic.com/service/>.

Form: TDAX080151-06/21/23