COREPOWER[®] Systems Intelligent Electronic Power Distribution



1162-4

Electronic Circuit Breaker Unit (ECBU)

Size

9.5 In W x 2.5 In H x 8.26 In L (241 mm W x 63 mm H x 210 mm L)

Weight

3.15 lbs (1.43 kg) nominal

POWER

Input/Output:

- 28VDC aircraft power or
- 24VDC battery back-up power

Continuous Current Rating and Protection:

120A maximum

SAFETY

- Electronic Circuit Breaker (ECB) monitoring and control interlock enhances reliability
- Each ECB maintains control and current protection for at least one other ECB providing redundant circuit protection

CERTIFICATION

- DO-160D
- DO-178B, Level B

FEATURES

- 24 ECBs of various ratings (2.5A-15A)
- Instantaneous and I²t type (thermal emulation) current protection
- Individual ECB current protection rating is database configurable (within a specified current range of the ECB)
- The dual RS-485 buses provide for:
 - On/Off control of Electronic Circuit Breakers (ECB)
 - Electronic Circuit Breaker status
 - Voltage Monitoring of the ECB
 - ECB current data
- ECBs are interlocked to provide redundant control and current protection
- Dual redundant central processors
- Dual redundant auxiliary power supplies
- Built-In Test



COREPOWER

COREPOWER[®] Systems

	REPOWER [®]			
Application		Sample Load	Sample Loads*	
		Instrument light	2.5A	
		Ice Light	2.5A	
		Cabin Area Lights	2.5A	
		Galley Lights	2.5A	
	P/N 1162	Reading Lights	1A	
		Personal Fan	2A	
	13 @ 1 - 2.5	Coffee Maker	7.5A	
	7 @ 5-7.5	Strobe Light	5A	
75A Power Input Bus (145A/5min)	4 @ 7.5 – 15	Navigation light	5A	
		Airframe de-icing	7.5A	
		Auxiliary fuel booster pum		
		Pilot LH heater	15A	
RS-485		Aux Fuel Pump	10A	
		Cockpit fan	8A	
RS-485		Cabin fan	10A	
		aircraft application		
	Breake	er Capacity		
13 channels of 1—2.5 amp programmable ECBs		•		
	7 channels of 5- programmable EC	•		
4 channels of 7.5—15 amp programmable ECBs		•		
Astronics Advanced Ele 12950 Willows Road NE Kirkland, Washington 98034 USA Phone: +1.425.881.1700 Fax: +1.452.702.4930 E-mail: AESsales@astronics		1162-4 Ast	RONIC	
	200010			

www.astronics.com

130319



S ADVANCED ELECTRONIC SYSTEMS

Actual product specifications may have changed since the printing of this brochure. Brochure specifications are not binding. Confirm current specifications at time of order.