



FAB1003005

Features

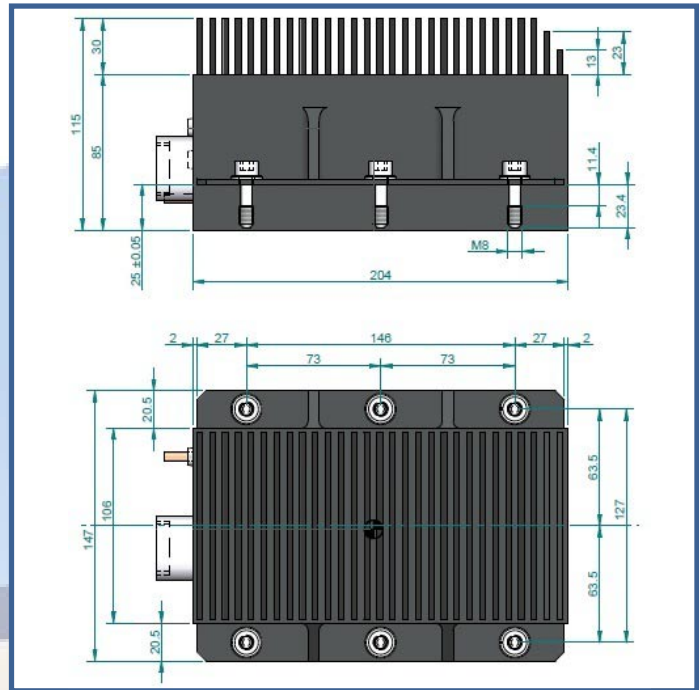
- 90-125Vac / 360-690Hz, PFC correction
- Power : 650W at 70°C with fan cooled 4m/s
- Outputs : 28V/500W-28V/150W-115Vac/80W switched auxiliary output
- 204*147*115mm
- Surge and transient protected MIL-STD704A
- D38999 input/output connector
- Conformal coated avionic application
- Safety IEC/EN 60950-1, RoHS lead-free-solder compliant



Electrical Input Data

Input		90-125Vac			Unit
Characteristics	Conditions	min	typ	max	
Operating input voltage	90-125Vac / 360-690Hz	90	115	125	Vac
Frequency		360	400	690	Hz
Nominal input voltage			115		Vac
Input current	At Vin min			9	A
No-load input power	At Vin typ			35	W
Peak inrush current	Active protection			11	A
Start-up time			2,1		s

Mechanical Data



Electrical Output Data

Output Characteristics	Conditions	V1: 28V 500W			V2: 28V 150W			Vaux: 115Vac 80W			Unit
		min	typ	max	min	typ	max	min	typ	max	
Output voltage		27,7	28	28,3	27,7	28	28,3				V
Overvoltage protection		31,5	32,7	33,9	31,5	32,7	33,9				V
Nominal output current			17,8			5,35			0,7		A
Max. output current			17,8			5,35			1		A
Output current limit				21,8			6,7				A
Output noise			160			200					mV
Hold up time			50			50			50		ms

- Operating temp. : -51°C +70°C 4m/s
- Storage : -55°C +185°C

Connector Pin Allocation

J1 : Type D38999/20MG16PN

PIN	Description	
A	INPUT L	115 V AC (L)
B	INPUT N	115 V AC (N)
C	GND	Chassis Ground
D	GND	Chassis Ground (Output 3)
E	ON/OFFcontrol -	Control_N 0,15
F	OUT1 +	+28V DC (Output 01)
G	OUT1 +	+28V DC (Output 01)
H	OUT1 -	+28V DC RTN (Output 01)
J	OUT2 +	+28V DC (Output 02)
K	OUT2 -	+28V DC RTN (Output 02)
L		NC
M	Aux output L	115 V AC (L) (Output 3)
N	Aux output N	115 V AC (N) (Output 3)
P	ON/OFFcontrol +	Control_P 0,15
R	OUT1 -	+28V DC RTN (Output 01)
S		NC

Approvals

- Certified in the equipment by the customer
- E.M.I. MIL-STD 461E CE102, CS101, CS114, CS115, CS116, (RE102), RS103 built to meet by inhouse measurement (no laboratory certification).
- MIL-STD 810F shock & vibrations, acceleration built to meet.
- ABD100.8
- MIL-STD-704A input compliance

Signals

- Led front panel Input OK
- Led front panel Output OK
- ON/OFF control