

APPLICATIONS

- > Current amplifier for magnetic actuators

KEY FEATURES

- > Galvanic insulation
- > Active Power Factor Correction
- > High apparent and active power density
- > Compact size

RELATED PRODUCT

- > MICA



SPECIFICATIONS

PARAMETER	TYPICAL VALUE	UNIT
> Input		
Control input voltage (Vin+ - Vin-)	-10 ... +10	V
Control input impedance	10	kΩ
> Output		
Output voltage	±96	V
Continuous output current	±20	A
Output current offset (1)	<100	mA
Maximum output load	Unlimited	H
Minimum output load	100	μH
> External power supply		
DC supply voltage	96	Vdc
> Power amplifier		
Typical efficiency	96	%
Switching frequency	50	kHz
Max. continuous output apparent power (2)	960	VA
> Max. continuous output active power	> 600	> W
External minimum shunt resistor (3)	5	Ω
> Gain		
Gain	2	A/V
Gain linearity error	0,1	%
Dynamic performance		
Current loop sampling rate	20	μs

> **Protections**

Overcurrent (Actuator & Amplifier), Overtemperature (Amplifier)

ANNOTATIONS*Guaranteed in labs environment**(1) At OV input.**(2) Sine waveforms.**(3) The shunt resistance should not be lower than the minimum value.***MISCELLANEOUS**

PARAMETER	TYPICAL VALUE	UNIT
Mass	1,68	kg
Dimensions	200x144x59	mm3
Cooling	Natural convection	
Operating temperature range	0-40	°C
Brake/Shunt regulator	Internal	
Brake/Shunt resistor	External	

INTERFACES

Control Input	DB9	
Power input connector	Terminal	
Power output connector	Terminal	

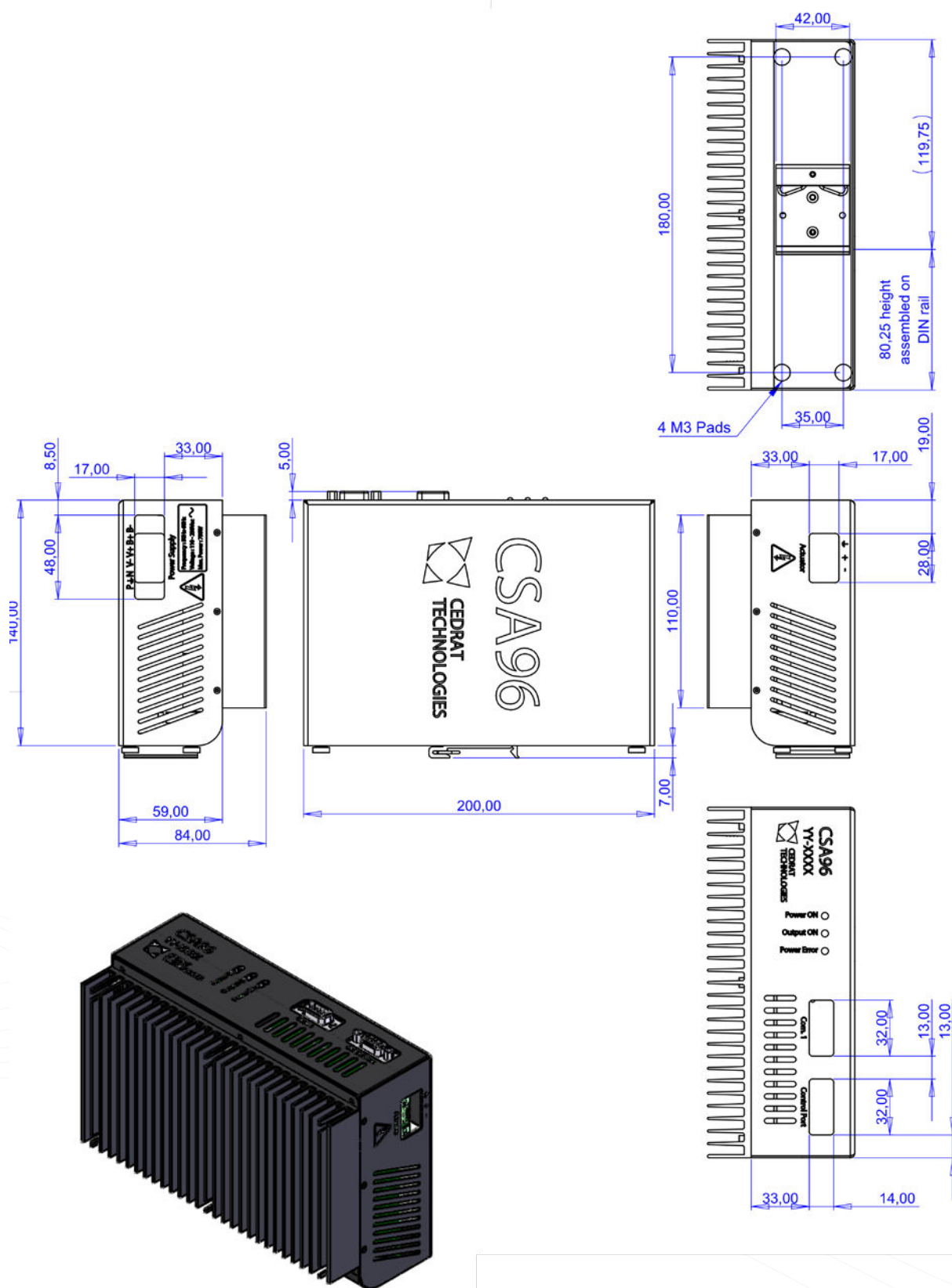
INCLUDED ACCESSORIES

- | | |
|--|---------------------------------|
| > Actuator cable | Shielded 3G2,5 |
| > Power input mating connector | BLF 5.08HC/07/180F (Weidmüller) |
| > Power output mating connector | BLF 5.08HC/03/180F (Weidmüller) |

OPTIONS

- | | |
|---------------------------------|-----------------------------|
| > Actuator cable | Specific length on request. |
| > Rail din mounting clip | TEP-MK1 (Tracopower) |

DRAWINGS



Mechanical ICD