

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	

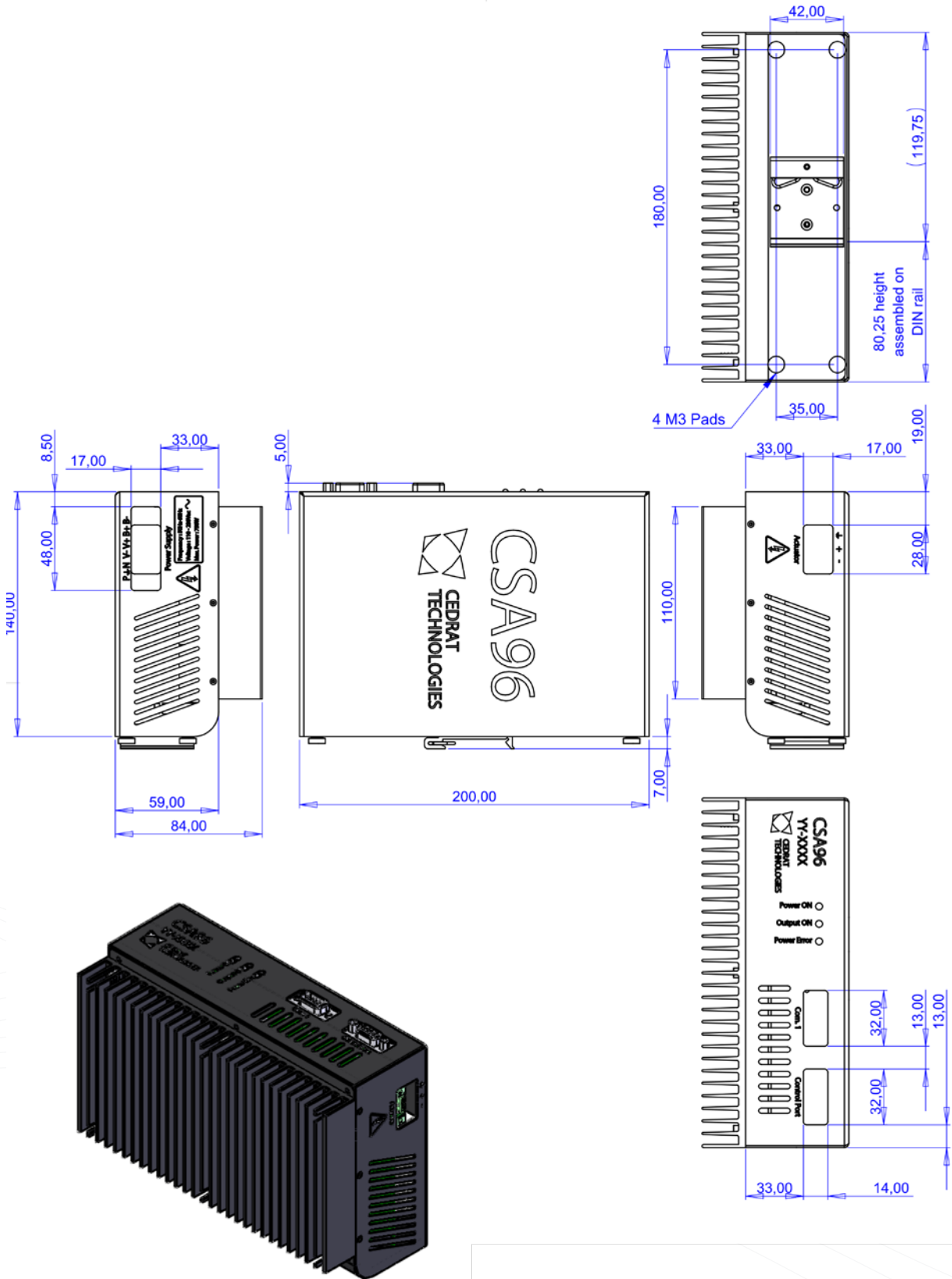
INCLUDED ACCESSORIES

- > **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