

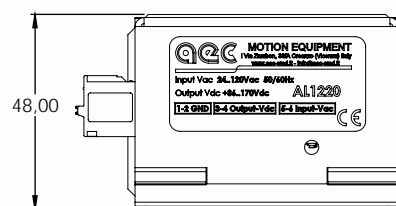
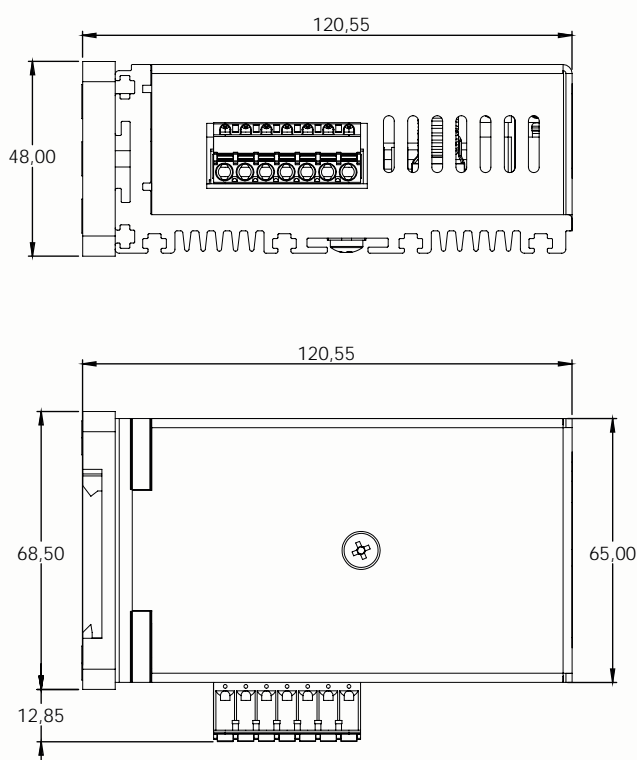
Unregulated linear power supplies

The series of unregulated linear power supplies AL1220 is designed to generate the proper filtered DC voltage for AEC drives.



Electric characteristics		U.M.	AL1220L	AL1220H
HVAC Input	Voltage range	V_{AC}	19 .. 55	55 .. 100
	Nominal voltage	V_{AC}	48	90
	Nominal current	A_{RMS}	8	8
HVDC Output	Voltage range	V_{DC}	+24 .. 70	+70 .. 140
	Nominal current	A_{RMS}	8	8
Operating temperature		$^{\circ}C$	-10 .. +45	
Operating humidity (non condensing)		%HR	95% or less	
Weight		g	400	

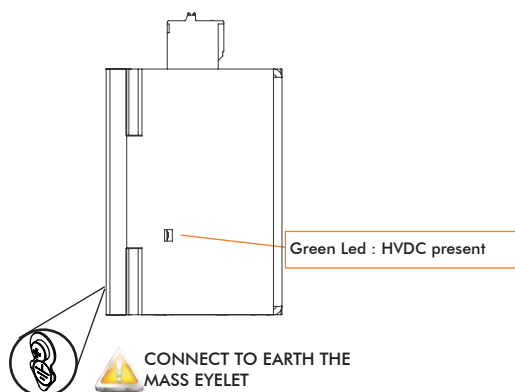
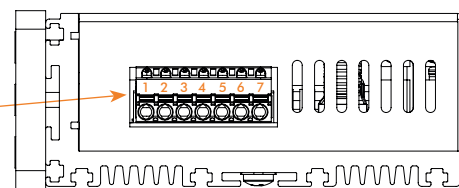
Mechanical dimensions



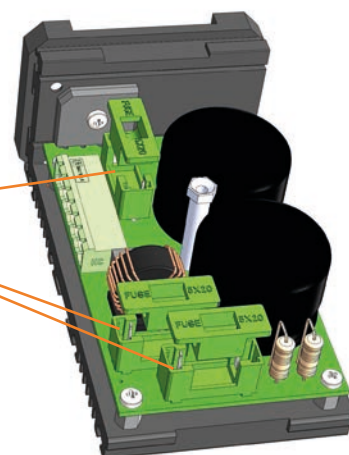
Dimensions are in mm.

AC supply input connector (M1)

Pin	Signal name	Description
1	Common	HV _{DC} common
2	Common	Commoning pin with the 0V of the 24Vdc logic stage supply
3	HVDC	HVDC output (8A max)
4		
5	HV AC IN	HV AC input
6	HV AC IN	HV AC input
7	Ground	Ground



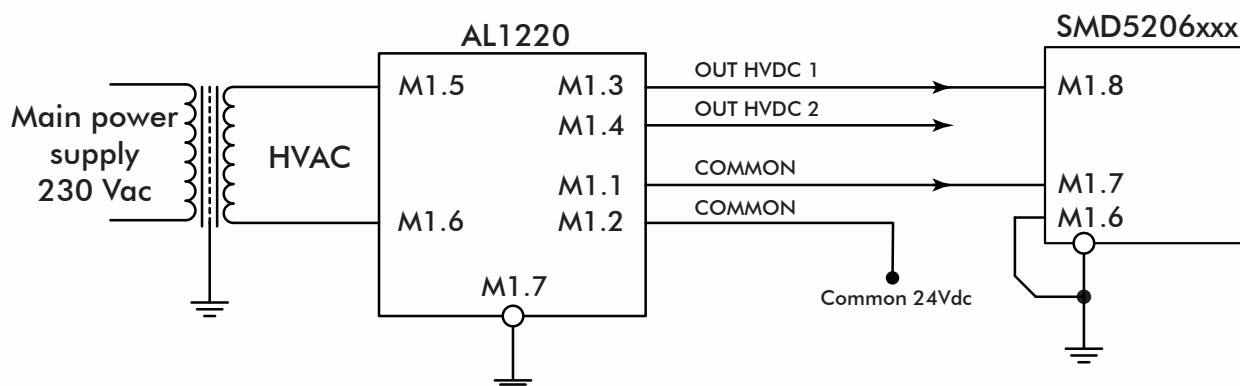
HVDC Protection fuse
(10A 5x20 delay-action)



Connect together the common of the 24Vdc supply and the common of the HVdc power stage.
Do not section the commons present in the terminal block.

Connection example

$$V_{OUT} = V_{IN} \times 1,414$$

**Attention!!!**

The AC input voltage must be insulated from the main power supply.
Do not connect to the ground the secondaries of the transformer.