

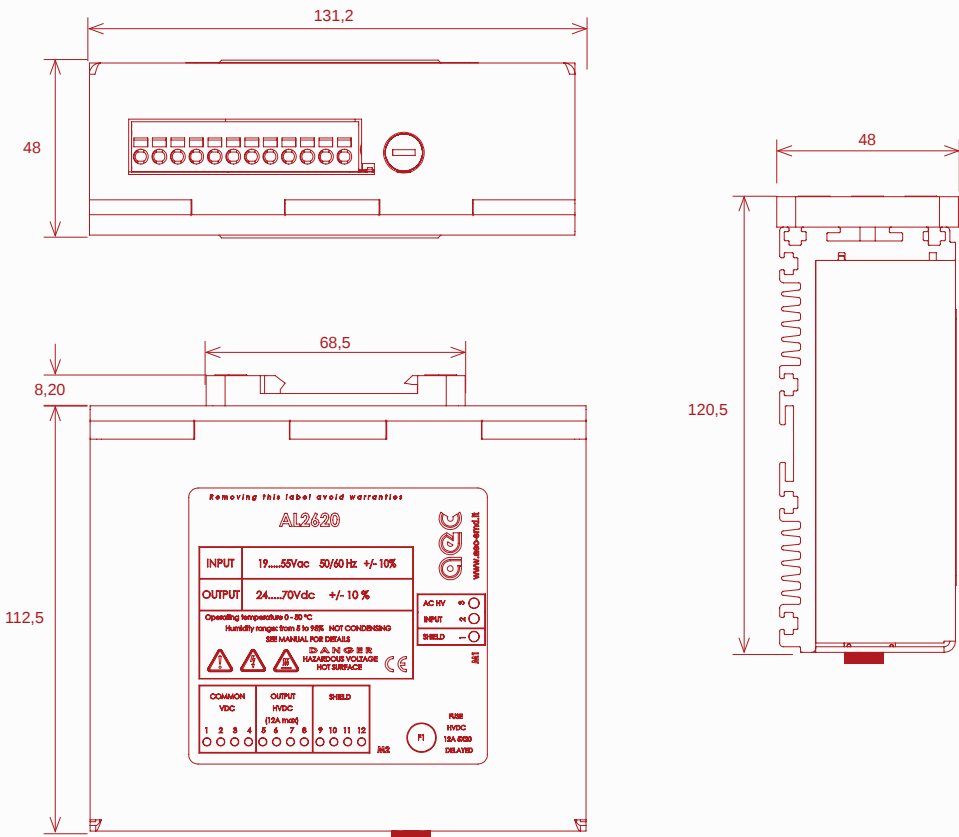
Unregulated linear power supply

The AL2620 is an unregulated linear power supply, which generates the proper filtered DC voltage for AEC drives.



Electric characteristics		U.M.	AL2620L	AL2620H
HVAC input	Voltage range	V _{AC}	19 .. 55	55 .. 100
	Nominal voltage	V _{AC}	48	90
	Nominal current	A _{RMS}	12	12
HVDC output	Voltage range	V _{DC}	+24 .. 70	+24 .. 140
	Nominal current	A _{RMS}	12	12
Operating temperature		°C	-10 .. +60	
Operating humidity (non condensing)		%HR	95% or less	
Weight		g	700	

Mechanical dimensions

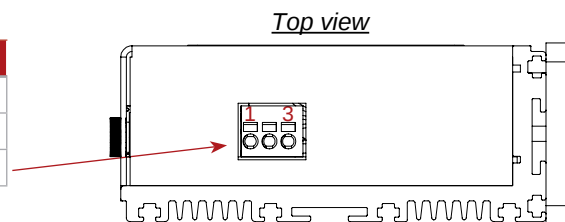


Dimensions are in mm.

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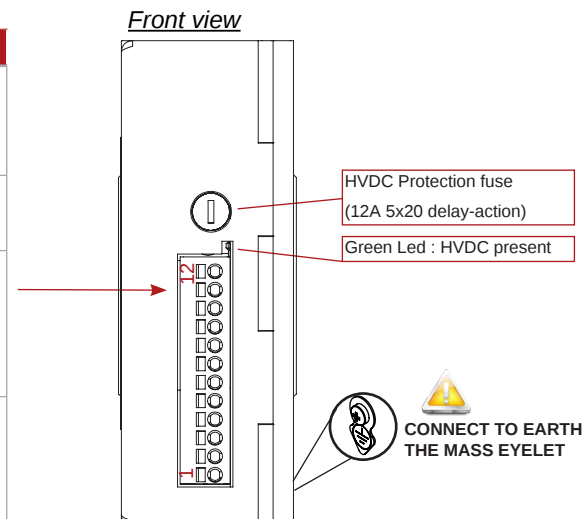
AC supply input connector (M1)

Pin	Signal name	Description
1	GND	Ground
2	HV_N	AC HV input (100Vac max)
3	HV_L	AC HV input (100Vac max)



DC supply output connector (M2)

Pin	Nome segnale	Descrizione
1	Common	Common
2		
3		
4	Common	Commoning pin with the 0V of the 24Vdc logic stage supply
5	HVDC	HVDC output (12A max)
6		
7		
8		
9	Shield	Shield
10		
11		
12		



CAUTION: the pinout of the connectors is not compatible with the previous model AL2520.

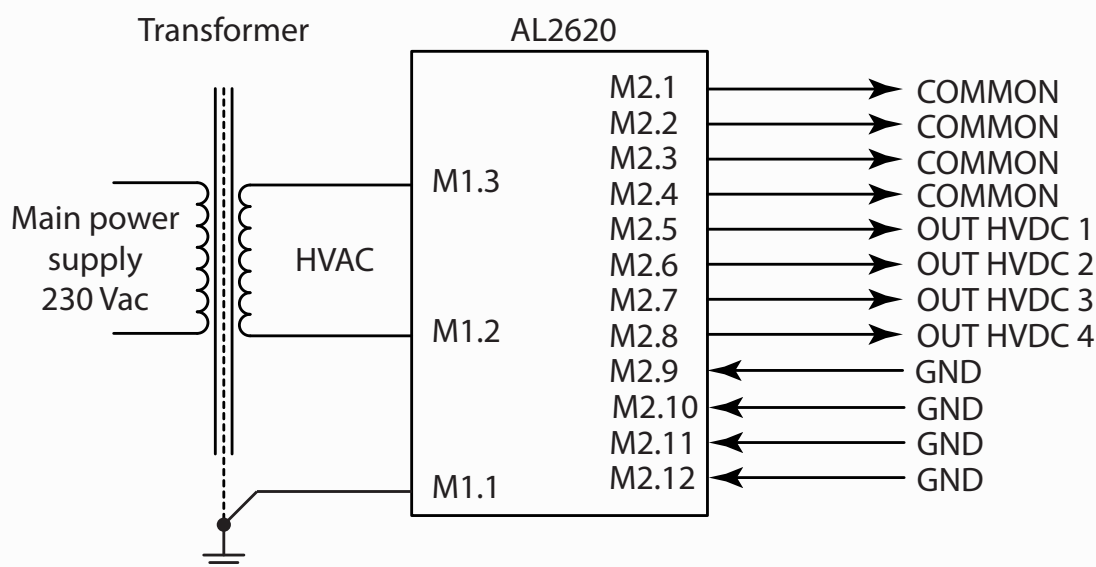
Connection example

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



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.



Attention!!!

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