

• Direct bus power supply of 8 CML36 Modules

- No wiring to do, 24V distributed directly on the communication bus.
- Ensures perfect isolation of the bus.
- Allows direct 230Vac power supply.
- Low noise linear power supply.
- 24 V / 250 mA output.
- Auxiliary 24 V output terminal.

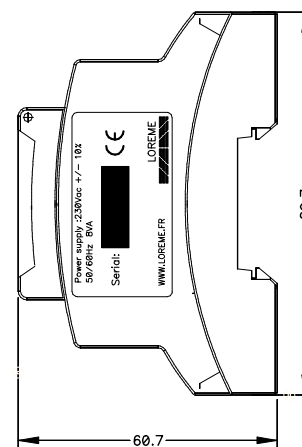
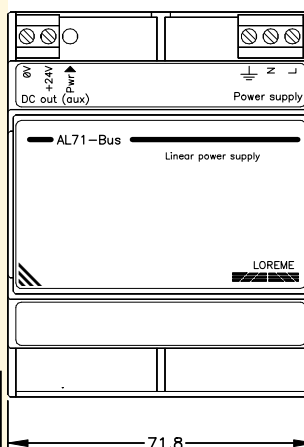


This power supply is particularly suitable for the implementation of CML36 acquisition units, the very high isolation impedance of the output eliminates ground loop problems, and ground currents that can affect measurements or destroy modules in extreme cases. This solution greatly improves the reliability of the installation, and facilitates the implementation of CML36 modules. It contributes to compliance with the recommendations for implementing silothermometry acquisition systems.

Features :

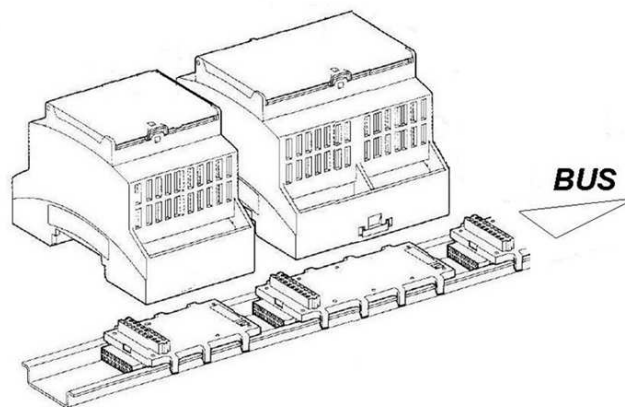
- Auxiliary 24Vdc output (the power used on the auxiliary output is subtracted from the power available on the Bus)
- Short Circuit Protection, Overload Protection.
- Thermal protection (output power limitation).
- Cooling by natural convection
- Built-in EMC filter conforming to EN55022 class A
- Regulated output voltage
- DIN rail mounting, IP20 protection rating
- Protection of the electronics by tropicalization varnish
- Green mains voltage presence LED,
- Connection by screw terminal block (section of wires up to 2.5 mm²).

Alimentation des CML36 directement par le bus
+ sortie 24V auxiliaire



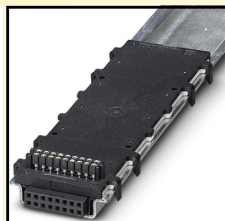
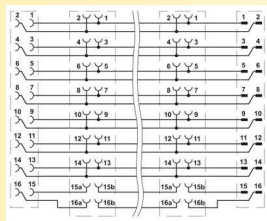
Power supply	
Input voltage	230 Vac or 115 Vac
Input frequency	45...65 Hz
Power consumption	10 VA max
Output	
Output voltage	24 V (±2 %)
Output current	250 mA max (6 W)
Load regulation	0.1 % max
Output ripple	< 20 mVpp (10 Hz to 10 kHz BW)
ENVIRONMENT	
Operating temperature	-25 °C to 60 °C (natural convection)
Thermal protection	100 °C internal
Storage temperature	-25 °C to 85 °C
Humidity	85 % (not condensed)
Thermal drift	±0.02 %/°C (-2 mV/°C typically)
Insulation resistance	> 500 MΩ min.
Dielectric strength	2500 VAC (input / output)
Weight	400 g

1 x AL71-BUS + 8 x CML36 maximum. The power supply can be inserted at any location on the bus



HBUS70 : Bus connecting element for AL71-Bus

Technical data:
 Colour black
 Length 37,1 mm
 Width 71,6 mm
 Nominal voltage UN 60 V
 Nominal current IN 2 A
 Indicator1 CUL1 Flammability rating according to UL 94 V0



Version and order code:

- AL71-Bus** Isolated power supply on internal bus allowing the supply of 8 CML36
- HBUS70** Connecting element for the internal bus.