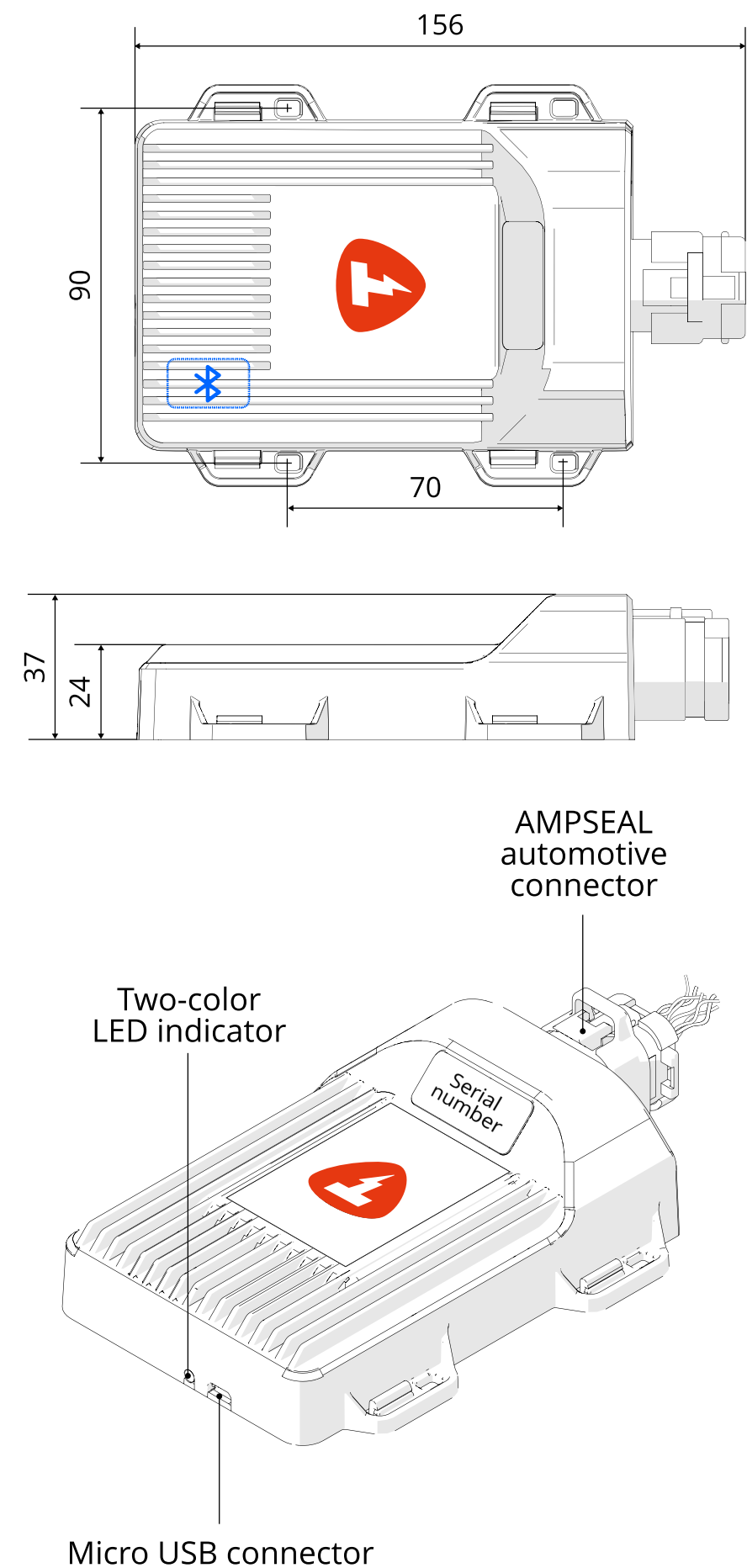




Name:
ECU V6

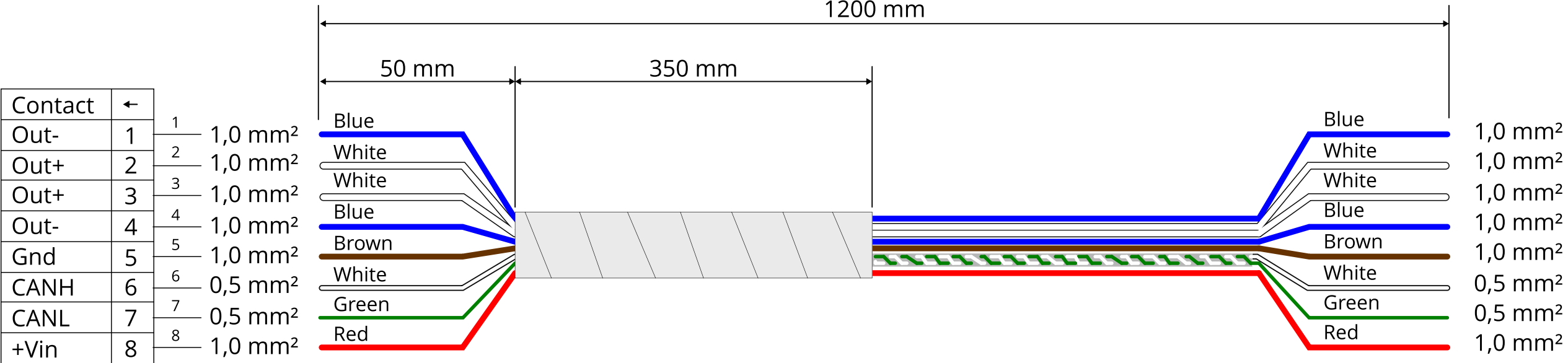
Purpose:
The Electronic Control Unit (ECU) is a component of the THOR electronic exhaust system.
The ECU's task is to store and play audio tracks.

Operating conditions:	
Ambient temperature	from -40°C to +85°C
Atmospheric pressure	not lower than 61 kPa (457.5 mm Hg)
Relative air humidity	up to 80% at a temperature of plus 25 °C

Electrical specifications:	
Input voltage	12 V to 15 V
Current strength (consumption)	up to 7 A
Number of channels	1
Sload resistance	1 Ohm
Ingress Protection Code	IP50
Amplifier type	D class
Bluetooth module type and features	Bluetooth 5.0, location — see general view
Max Power	90 W

Housing characteristics:	
Case material	thermally conductive plastic according to TU 2200-031-58491570-2009
Housing color	RAL 9004
Specific surface electrical resistance	no more than 1*10 ⁵ Rs, Ohm
Tensile strength	not less than 30 MPa
Impact strength according to the Charpy method	not less than 8 kJ/m ²
Elongation at break	not less than 5%
Thermal conductivity at a temperature of 20°C	no less than 6 W/mK
Weight	315 grams

Harness pinout:



LED indication:		
LED Color	Indication Mode	Meaning
Red	Two slow flashes	CAN file is missing
	Three slow flashes	sound files are missing
	Four slow flashes	amplifier circuit malfunction*
	Five slow flashes	the block is a locked
Green	Slow flashing	no data CAN bus or the wrong vehicle is selected in the application
	Constant light	data CAN bus has been received, the system is operating normally
	Fast flashing	recording to flash memory

*Causes of malfunctions in the amplifier circuit

- Short circuit in the speaker wires or in the speakers themselves.
- Overload when connected to a load that is too low or speaker failure.
- Amplifier failure.