



TAURUS X

VCU (Vehicle Control Unit)

This VCU (Vehicle Control Unit) can be used to interface up to 3 CAN lines and 1 Lin communications. It has also the capability to work with PWM control and LIN protocols. It has many inputs and Low Side / High Side outputs, self-protected. It has OBD diagnostic capability, compliant with Homologation requirements.



Technical Specification:

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Characteristic	Unit	Value	Remark
Nominal Input voltage	V	12 or 24	DC
Acceptable Input voltage	V	6 - 32	DC
Short to battery protection		All Inputs – PWM Outputs	
Short to Ground protection		All Inputs – PWM Outputs	
Transient Voltage	V	+37 to +50	
Reverse Polarity	V	-28	
Main Microprocessor	bit	32	
CAN interface	kbps	500	3 CAN
LIN interface	kbps	20	1 LIN
Switch On		Through CAN interface or ignition key	
Power OFF Delay		Calibrable	
Outputs		4 (with individual settings)	Low side / High side / PWM
PWM Current	mA	10	
PWM frequency	Hz	200	Max
Output Voltage	V	0 - 24	
Input	V	4 (with individual settings)	Digital / Analog
Minimum Energy Consumption	mA	120	
Energy Consumption @key OFF	µA	10	
Current Consumption	mA	200 (logic)	24 V
Hold of functional state	ms	100 (min)	In absence of power supply
Operating Temperature	° C	-40 / +85	
Degree of Protection		IP64	

ECU Characteristics:

This VCU is capable to read various parameters through the vehicle CAN BUS line.

It can also be connected directly to read analog or digital sensors. It is capable to command outputs in Pulse Width Modulation (PWM) or Low Side (LS) and High Side (HS) Output.

It is very flexible in terms of output/input definition.

LIN communication is also possible.

It has OBD diagnostic capability, compliant with Homologation requirements for L, M and N categories of vehicles.



Via Yuri Gagarin 31

42123 Reggio Emilia

Italy

Tel +39 0522560709

Internet: www.cf3000.it

email: cf3000@cf3000.it