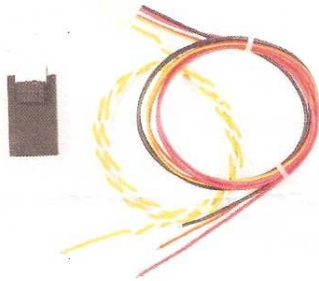
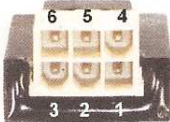


Interface „Clamp 15“

for all vehicles with CAN-bus



The interface „Clamp 15“ provides a simulated signal „ACC / Ignition“ taken from the vehicles' CAN-bus. It detects the CAN-bus activity and can switch a load up to 1 Ampere.

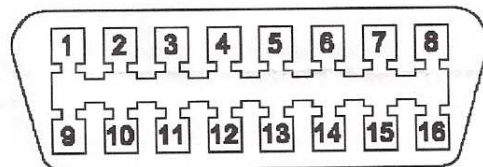
illustration (connector side)	Pin	connexion designation	colour of wire	I/O	remark
	1	ground	black	input	
	2	ground	-	-	
	3	CAN low	white	input	comfort or motor CAN-bus
	4	power suply +12V, clamp 30	red	input	only for 12V bordnet voltage
	5	power out „ACC / Ignition“	yellow/red	outlet*)	low 0V = „ACC / ignition“ off high 12V = „ACC / ignition“ on
	6	CAN high	yellow	input	comfort or motor CAN-bus
current consumption maximum 1 A!!					<i>quiescent current approx. 0,5 mA</i>

*) Exceeding power consumption may destroy the interface. In case a higher current as 1 Ampere is needed, use a standard automotive relay connected to the interfaces outlet.

The behavior of the CAN-bus can vary from type of car or type of CAN-bus. Depending on that, the simulated signal „ACC / Ignition“ is more or less shifted by time from the real ACC / Ignition-signal. The most identically signal is given by using the vehicles motor CAN-bus to connect to.

At vehicles made by VAG (e. g.: Audi, VW, Skoda, SEAT), the comfort CAN-bus is switched off after a period without any events concerning the CAN-bus (door open/close, lights on/off etc.), roughly after 10 minutes. In this case, the interface „Clamp 15“ is switching off, too, even during driving the vehicle. To prevent this behavior, it is necessary to use the vehicles motor CAN-bus to connect to. Note: **the Diagnostic-bus, also located within this OBDII plug, is not suitable.**

Motor CAN-bus in VAG vehicles (e.g.: Audi, VW, Skoda, SEAT):
CAN high: Pin 6, CAN Low: Pin 14



pin assignment of vehicles diagnosis plug



10R - 024942

Disclaimer

Please strictly refer to the automobile manufacturers installation guide lines and terms of warranty when installing electronic units in automobiles. Inform the customer(car owner) about the installation and the related risks. To disclaim, it may be useful to contact the automobiles manufacturer or a authorised workshop.