3.6.1 AC-L1 pin-out for basic PUMP application

Pin	Name	Function
K1 connector pin-out for AC-L1 : PUMP application		
1	KEY SWITCH IN	Positive supply of the control section of the AC-L1
2	DIGITAL IN 1	Auxiliary input 1
3	DIGITAL IN 2	Auxiliary input 2
4	DIGITAL IN 3	Auxiliary input 3
5	DIGITAL IN 4	Auxiliary input 4
6	DIGITAL IN 5	-
7	DIGITAL IN 6	-
8	DIGITAL OUT 1	-
9	COIL RETURN	Positive common
10	RS-232 RX	Serial port
11	RS-232 TX	Serial port
12	DIGITAL IN 7	-
13	DIGITAL IN 8	-
14	LIN IN/OUT	LIN display connection
15	CAN-H	CAN H (No internal termination resistor)
16	DRIVER OUT 1	-
17	DRIVER OUT 2	Main contactor command
18	I/O GROUND	Negative logic supply
19	DIGITAL OUT 2	-
20	DRIVER OUT 3 (*)	-
21	+12V OUT	12V supply
22	CAN GROUND	CAN- bus negative supply
23	CAN-L	L line input for CAN (No internal termination resistor)

(*) If an inductive load is connected to the driver output 3 (K1-20), there is the necessity to add an external freewheeling diode anti-parallel connected as described in the wiring diagrams.

Driver output 3 (K1-20) must be connected to the +B or to another supply source with the negative reference connected to the –B.

Driver out 1 (K1-16) and driver out 2 (K1-17) must be connected to the COIL RETURN.