

CANopen « Starter Kit »



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1. BILL OF MATERIALS

1.1. "USB to CAN" converter



Reference: PEAK System IPEH-002021

In order to use this converter, the computer needs to install the corresponding drivers.

1.2. Cables



- CAN communication cable : M12 5 contacts male to M12 5 contacts female, 3m, shielded
- Power cable : M16 3 contacts, 3m, shielded
- I/O cable : M16 12+3 contacts, 3m, shielded

1.3. CAN accessories



- D-SUB bus connector
- Bus terminating resistor (120Ω) : M12 5 contacts female

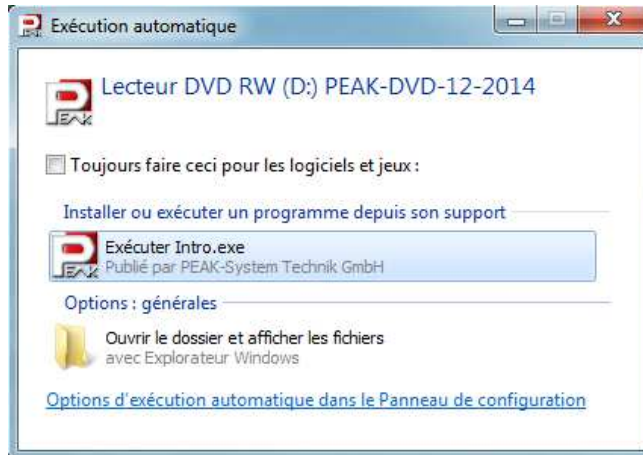
1.4. Software and USB accessories



- 2 USB plugs
- USB to μUSB cable
- USB stick (including HMI setup, user manuals, configuration files etc...)

2. DRIVER INSTALLATION

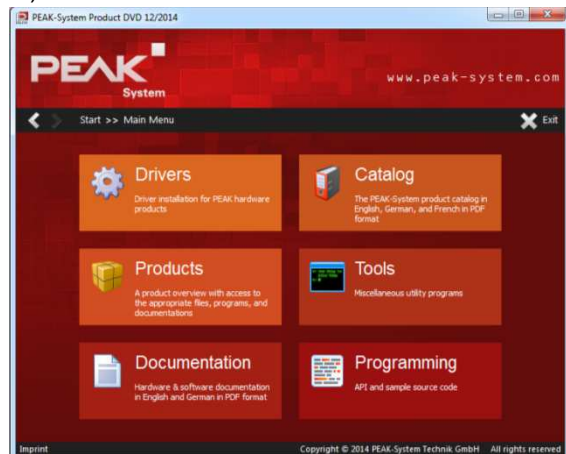
Insert the driver installation disc. The following window should appear. Select the “.exe” option.



1) Select your language



2) Click on “Drivers”



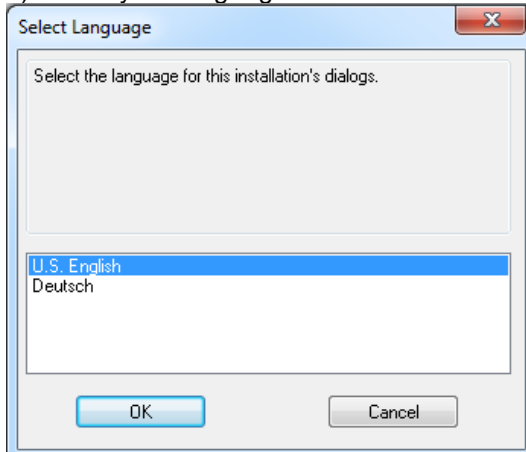
3) Click on “CAN driver”



4) Select “PCAN-USB”
5) Click on “Install now”



6) Select your language and click on "OK"

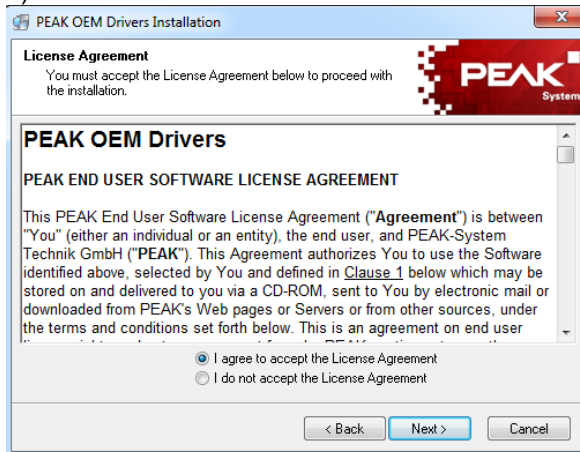


7) Click on "Next"



8) Select "I agree to accept the Licence Agreement"

9) Click on "Next"



10) Click on "Next"



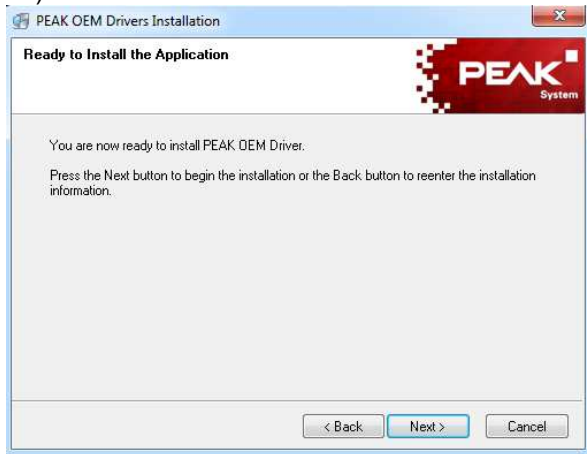
11) Click on "Next"



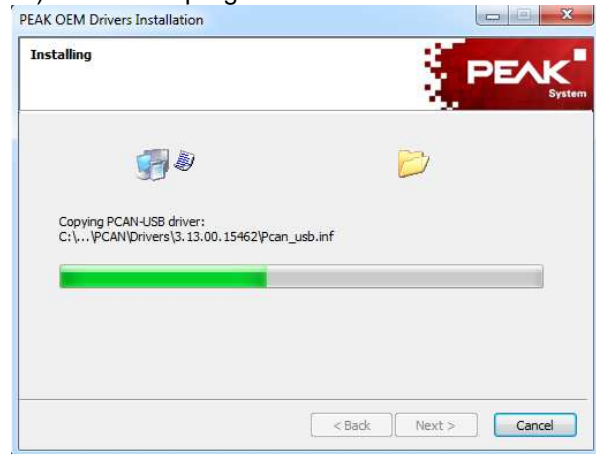
12) Make your choice and click on "Next"



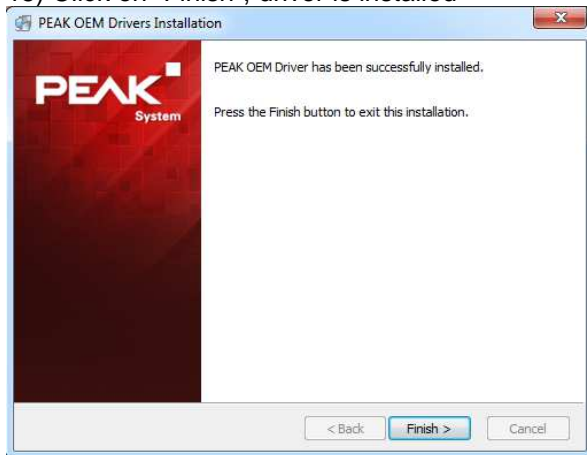
13) Click on "Next"



14) Install is in progress



15) Click on "Finish", driver is installed

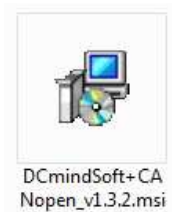


Note that is necessary to install drivers before connecting the motor.

3. HMI “DCMIND SOFT+CANOPEN” INSTALLATION

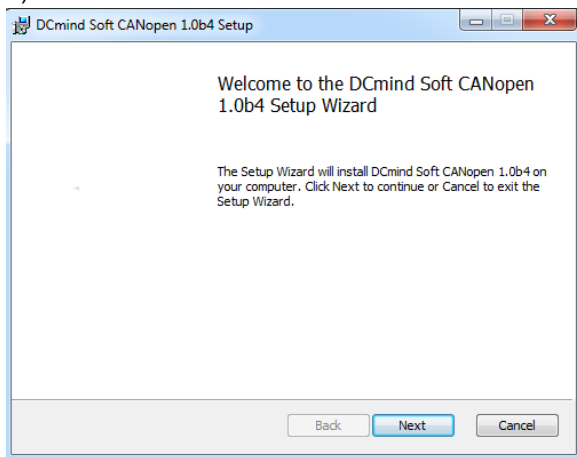
The HMI setup is on the USB key, in the following folder:
 79298662 \ HMI \ DCmindSoft+CANopen_v1.3.x.msi

Click on the following icon:

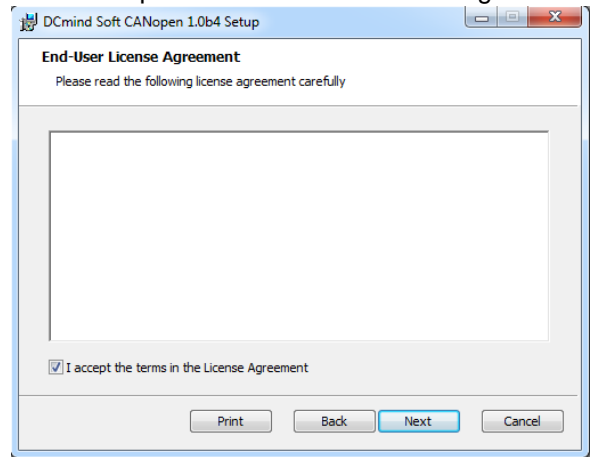


The following windows should appear:

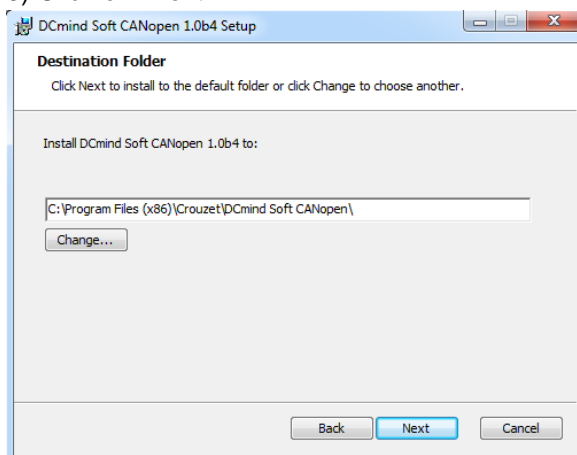
1) Click on “Next”



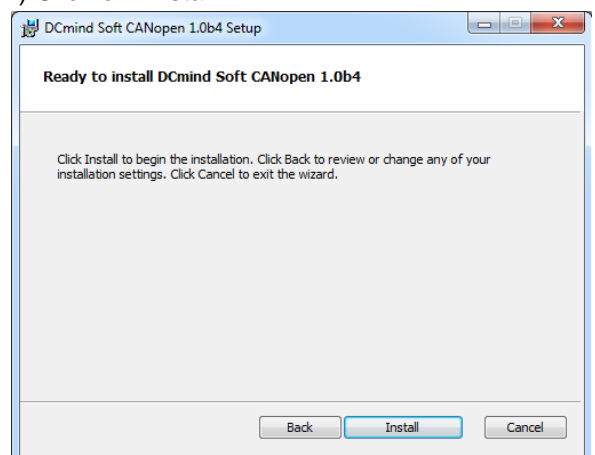
2) Click on “I accept the terms in the License Agreement”



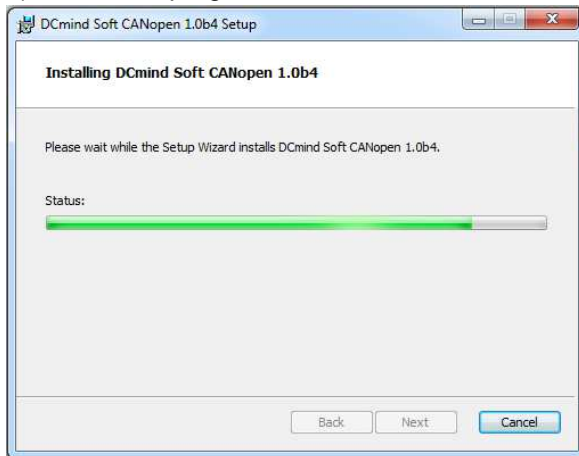
3) Click on “Next”



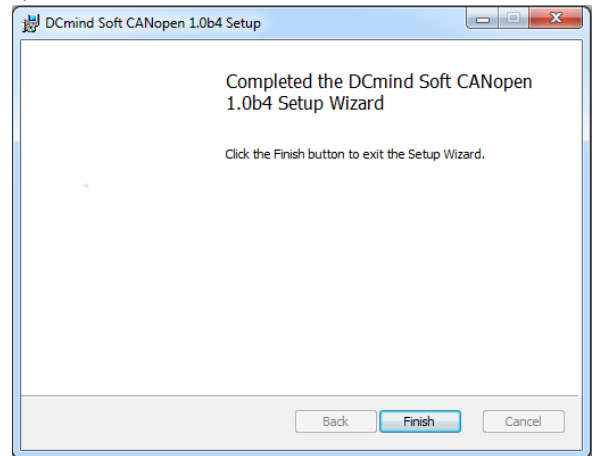
4) Click on “Install”



5) Install is in progress



6) Click on "Finish", HMI is installed

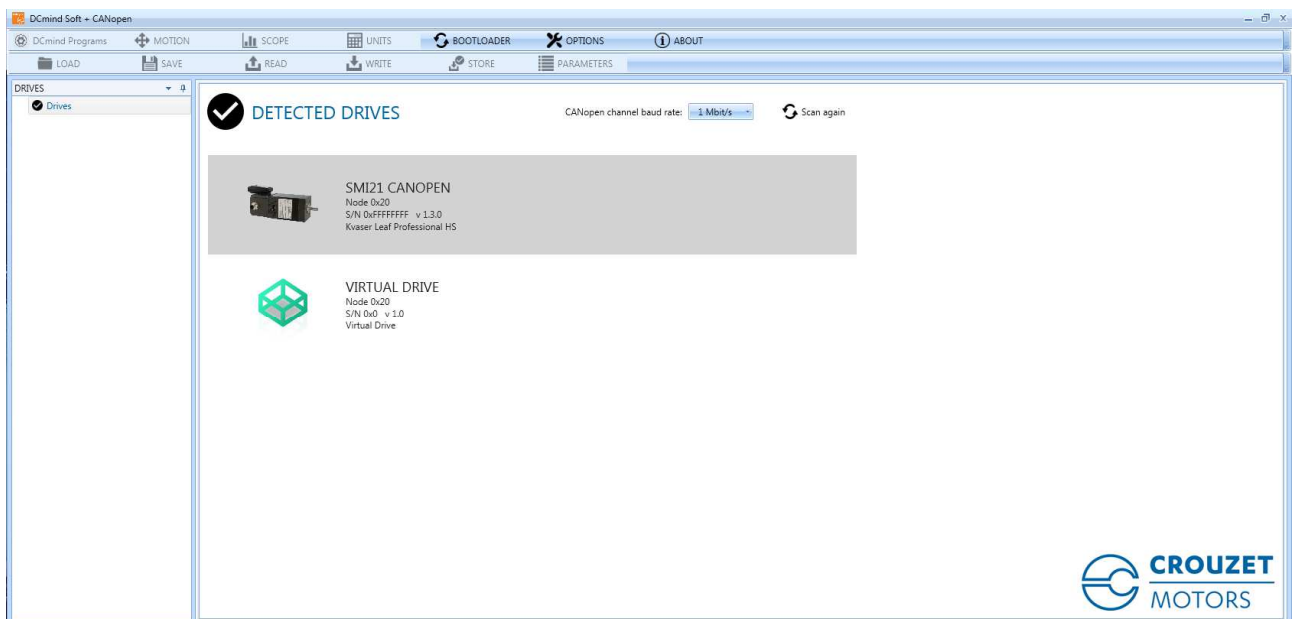


To launch the HMI "DCmind Soft+CANopen", click on the following icon:



Note that at the first connection with the motor, it's necessary to load the XDD file on the HMI:

- Click on the grey part when the motor is detected on the network
- Select the XDD file present on the USB key, in the following folder:
79298662 \ XDD \ 0x3842_0x3F8_0x11x.xdd



4. MOTOR CONNECTION

The driver must be installed before connecting the motor.
The motor must be connected when the power supply is switched off.

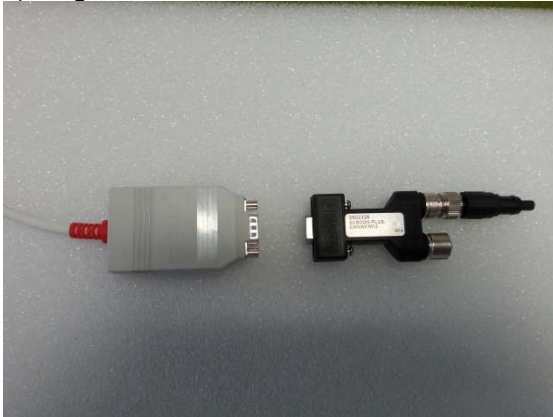
1) Plug the M12 resistor with the D-SUB connector



2) Plug the CAN converter with the PC



3) Plug the CAN converter with the D-SUB connector



4) Plug the D-SUB connector with the CAN cable



5) Plug the CAN cable with the motor




6) Plug the power & I/O cables with the motor



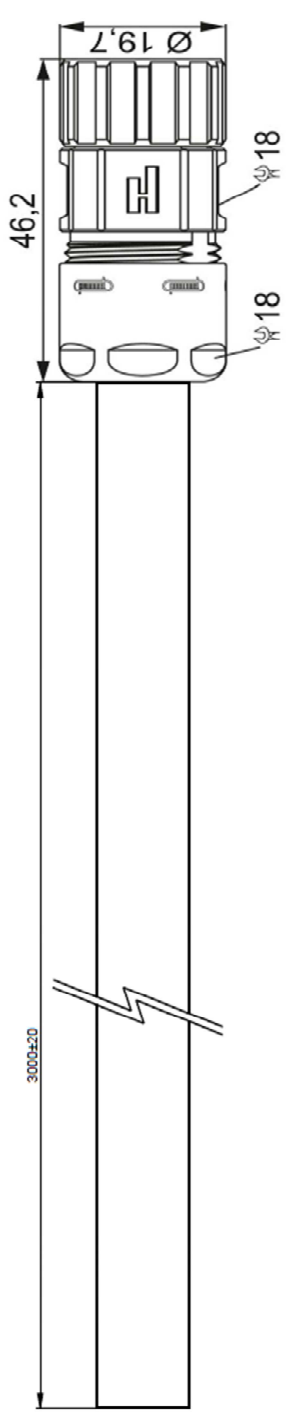
5. POWER CABLE DATASHEET

Cable 3 Wires Insulator ref. HUMMEL 7.003.983.102 Sockets 3 x 2mm ref. HUMMEL 7.010.982.002		
Pin N°	Function	Wire's color
1	NC	White
2	Vcc (+12Vdc to 48 Vdc)	Brown
3	GND (0V)	Green

Cable 3 Wires



the different things are not in scale



Reference	79298664		
Modifié by	F. BECAUD	25/04/2015	
Vérifié by	J. BERTAUD	25/04/2015	
Autorisé by			

Formet	A3	Scale	1/1
By		derogation	NO
mm		mm	
degrees		degrees	

Designation/FR:	POWER CABLE		
Designation/DE:	POWER CABLE DATA SHEET		
Designé by	F. CAUET		
Vérifié by	J. BERTAUD		
Autorisé by			

Request:	C.MO.DSE 01327.FR		
Product	PFT001xxCxyM>		
Product	CROUZET		
Product	2, rue de DYABEL BP 59, 26302, Valence CEDEX 9 France		
Request:	C.MO.DSE 01327.FR		

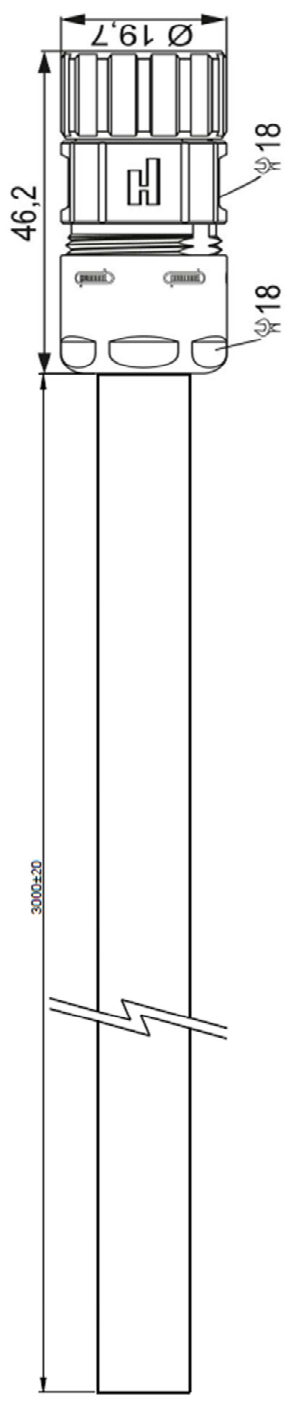
6. I/O CABLE DATASHEET

Pin N°	Function	Wire's color
A	NC	White / Green
B	NC	Brown / Green
C	NC	White / Yellow
1	Input 1	White
2	Input 2	Brown
3	Input 3	Green
4	Input 4	Yellow
5	Input 5	Grey
6	Input 6	Pink
7	GND logic (0V)	Blue
8	Output 1	Red
9	Output 2	Black
10	Output 3	Purple
11	Output 4	Grey / Pink
12	NC	Red / Blue

Cable 12+3 Wires



the different things are not in scale



PLAN EN FRANÇAIS		Reference	79298663
Modifié by	F_BERTAUD	26/04/2015	
Vérifié by	J_BERTAUD		
Autorisé by			
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PFT001-x(C)-y(M) CROUZET		mm degrés	R ₁ A3
2, rue du CYGNET 41000 VALENÇAY FRANCE		L.O. CABLE_M18 I/O CABLE DATA SHEET	
Department MO		Designation: R R_01MET	
Request: C.MO.DEF.0137.FR		Reference DE79298663FR	
		Index B	
		Scale 1/1	