

CANopen « Starter Kit »



Contents

1.	Bill of Materials.....	3
1.1.	“USB to CAN” converter.....	3
1.2.	Cables	3
1.3.	CAN accessories.....	3
1.4.	Software and USB accessories.....	3
2.	Driver installation	4
3.	HMI “DCmind Soft+CANopen” installation.....	8
4.	Motor connection	7
5.	Power cable datasheet	10
6.	I/O cable datasheet.....	11

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

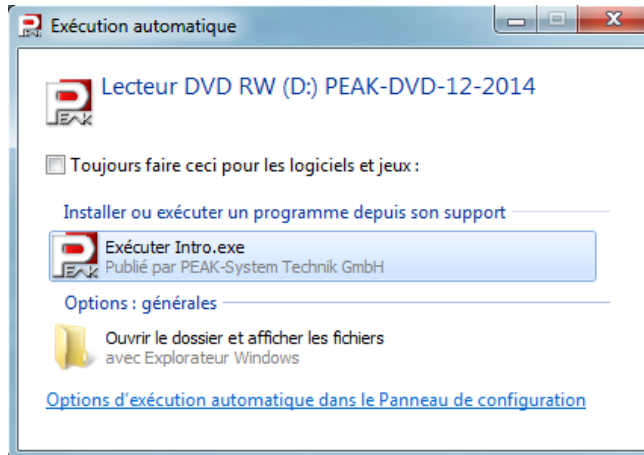
1.4. Software and USB accessories



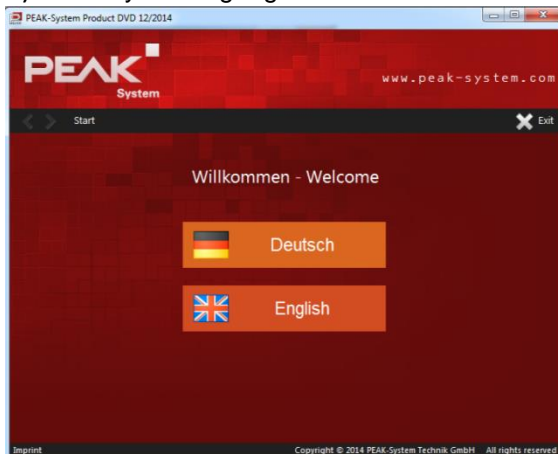
- 2 USB plugs
- USB to μUSB cable
- USB stick (including HMI setup, user manuals, configuration files etc...)

2. DRIVER INSTALLATION

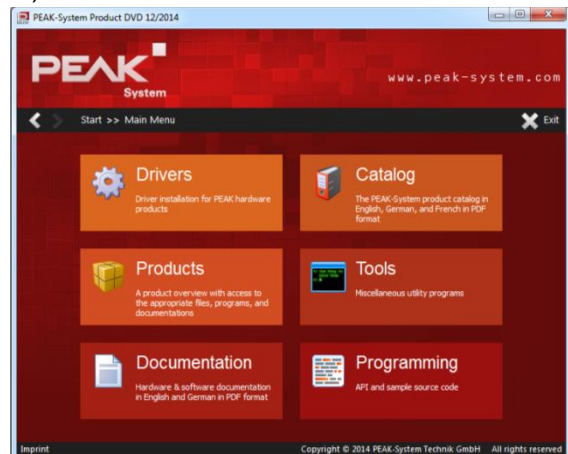
Insert the driver installation disc. The following window should appear. Select the “.exe” option.



1) Select your language



2) Click on “Drivers”

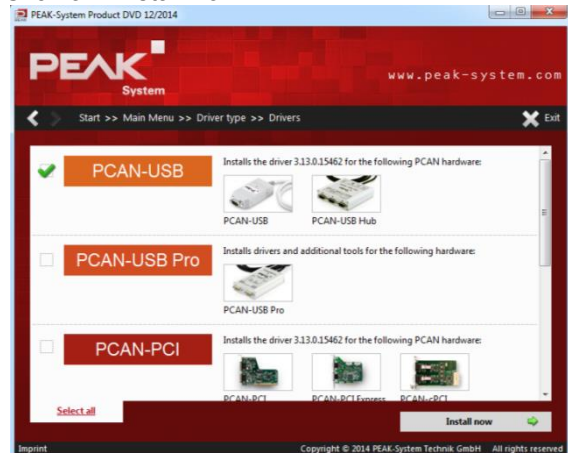


3) Click on “CAN driver”

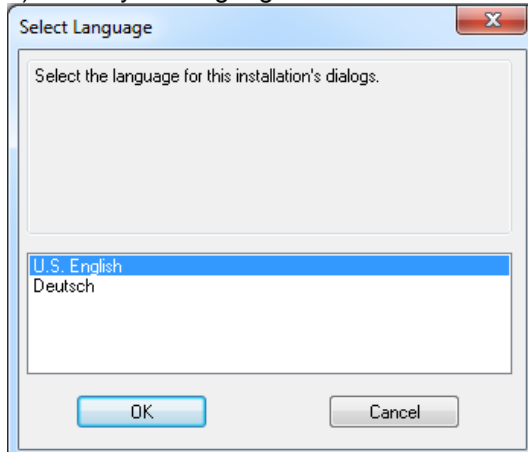


4) Select “PCAN-USB”

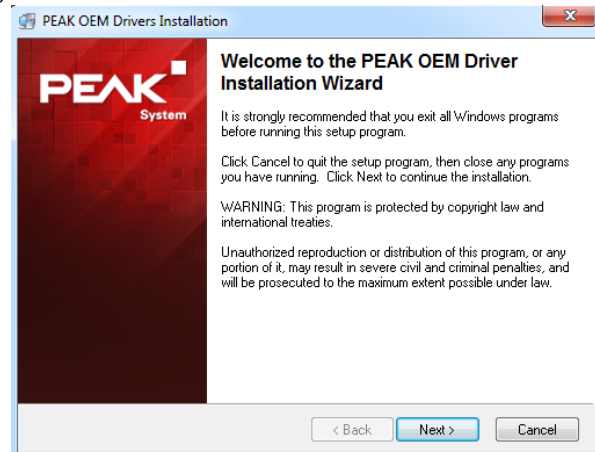
5) Click on “Install now”



6) Select your language and click on "OK"

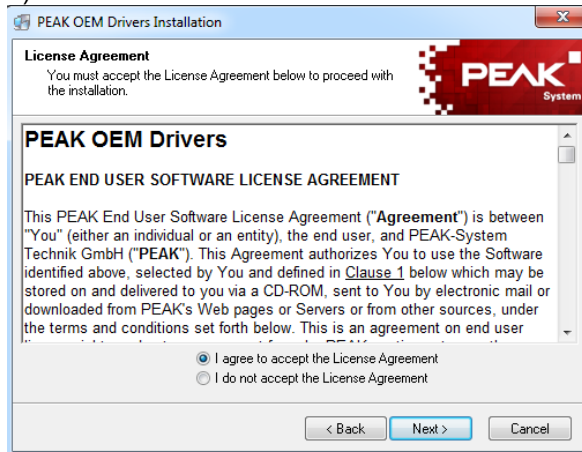


7) Click on "Next"

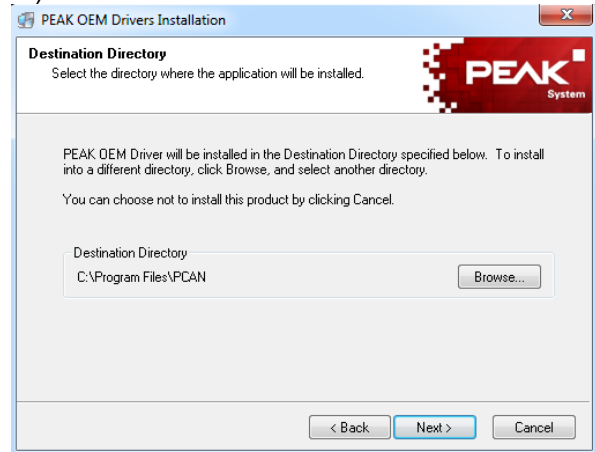


8) Select "I agree to accept the Licence Agreement"

9) Click on "Next"



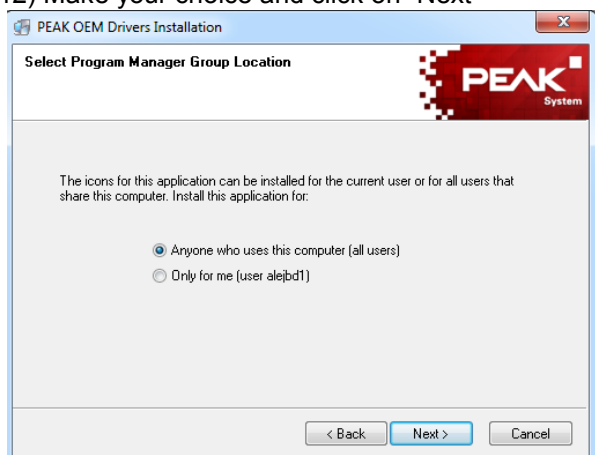
10) Click on "Next"



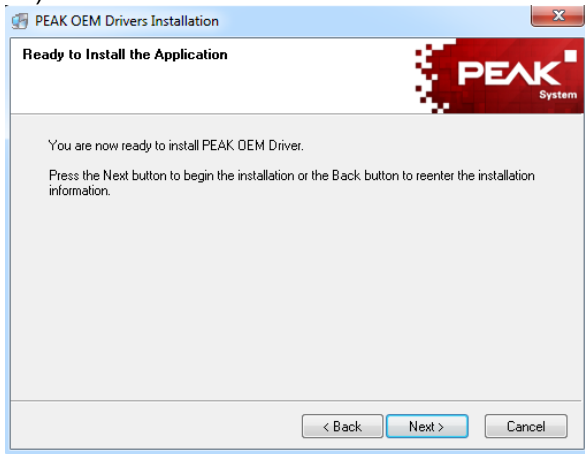
11) Click on "Next"



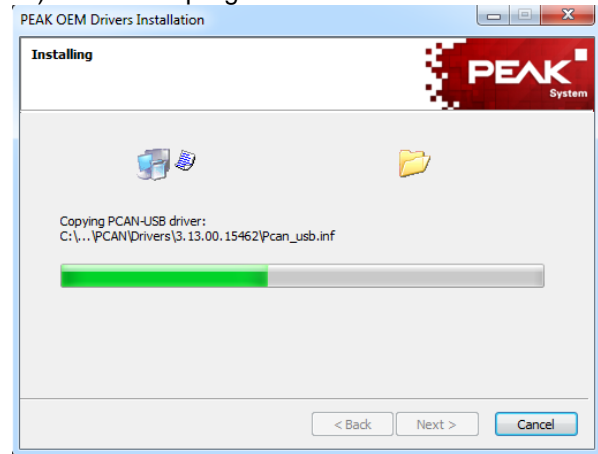
12) Make your choice and click on "Next"



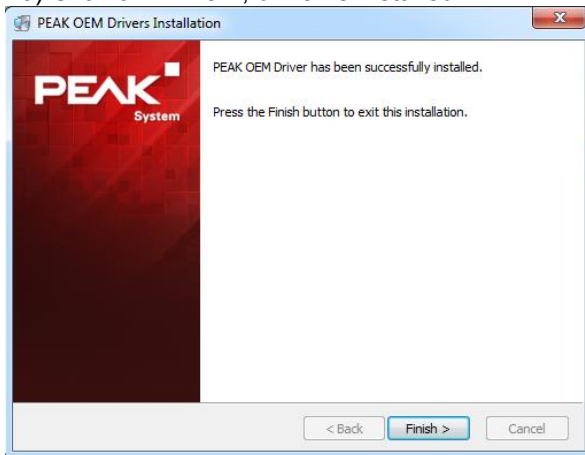
13) Click on "Next"



14) Install is in progress



15) Click on "Finish", driver is installed

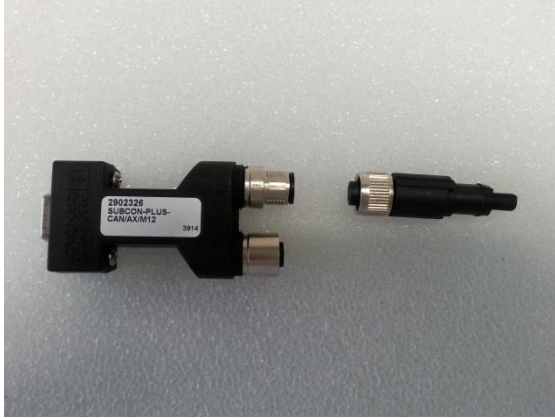


Note that is necessary to install drivers before connecting the motor.

3. MOTOR CONNECTION

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

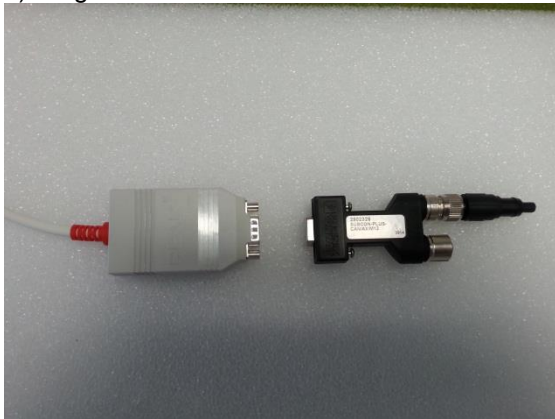
1) Plug the M12 resistor with the D-SUB connector



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



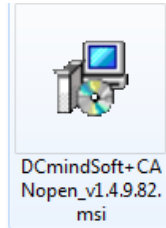
6) Plug the power & I/O cables with the motor



4. HMI “DCMIND SOFT+CANOPEN” INSTALLATION

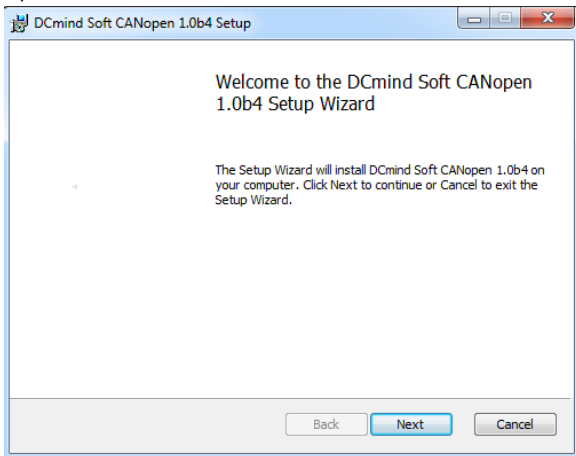
The HMI setup is on the USB key, in the following folder:
 79298662 \ HMI Setup \ DCmindSoft+CANopen_v1.4.9.82.msi

Click on the following icon:

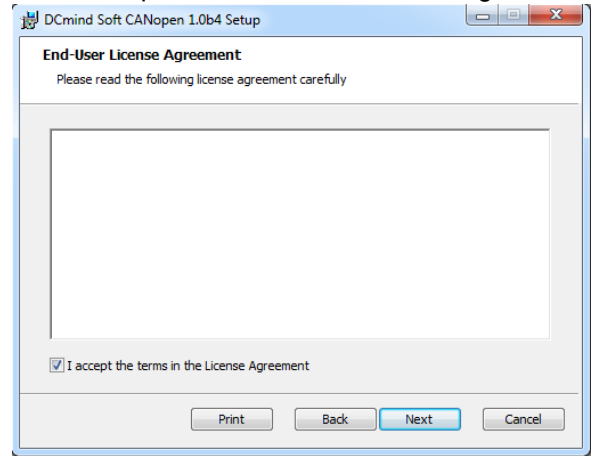


The following windows should appear:

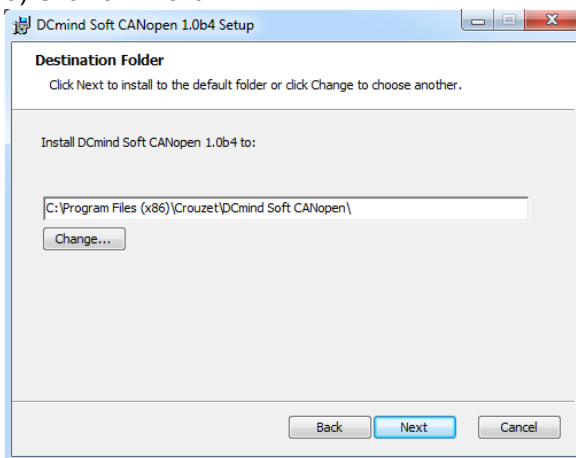
1) Click on “Next”



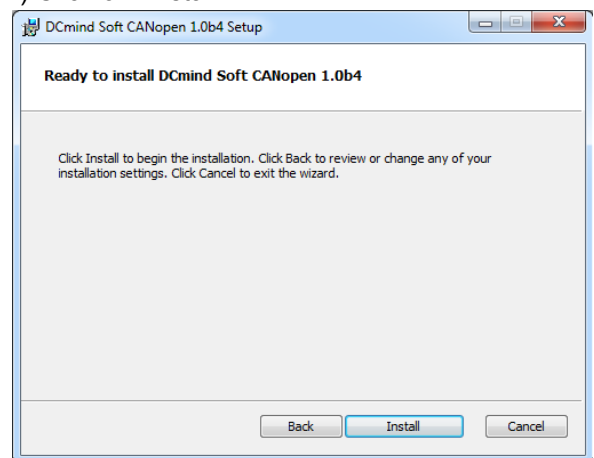
2) Click on “I accept the terms in the License Agreement”



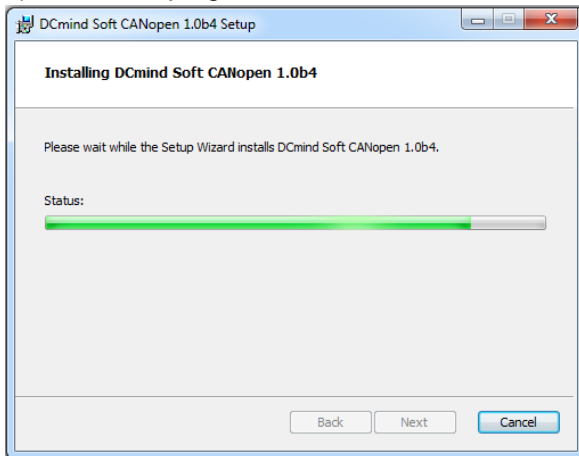
3) Click on “Next”



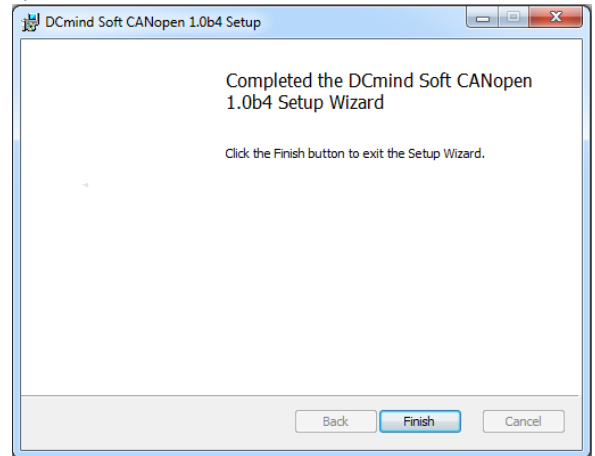
4) Click on “Install”



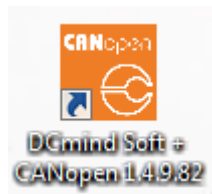
5) Install is in progress



6) Click on "Finish", HMI is installed

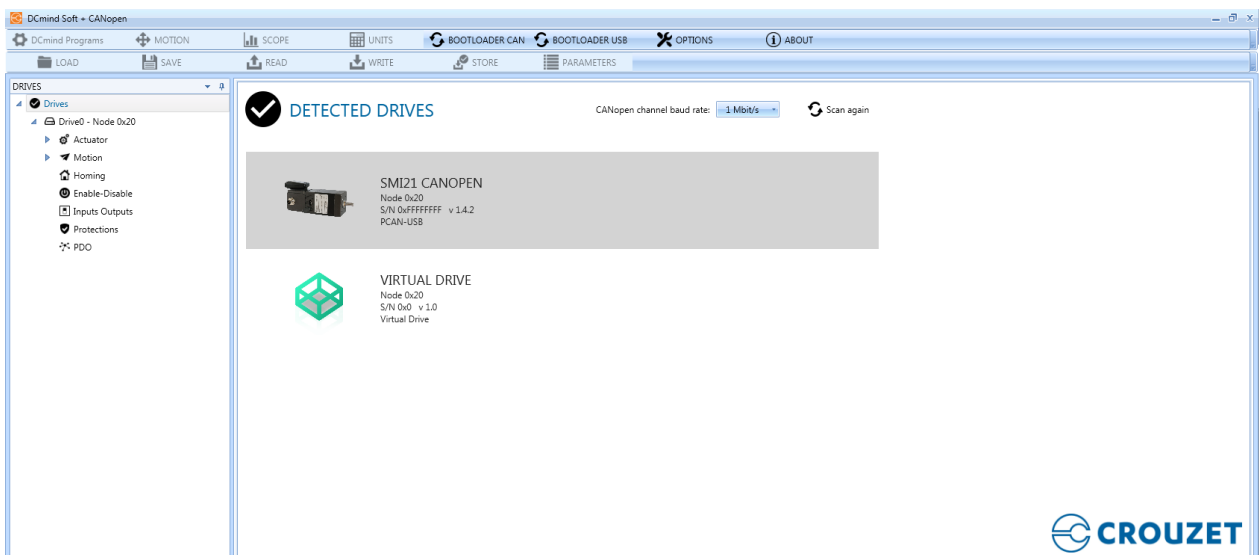


To launch the HMI "DCmind Soft+CANopen", click on the following icon:



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 File \0x3842_0x3F8_0x11E.xdd



5. POWER CABLE DATASHEET

Cable 3 Wires

the different things are not in scale

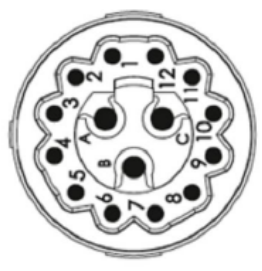
Cable 3 Wires Insulator ref. HUMMEL 7.003.883.102 Sockets 3 x 2mm ref. HUMMEL 7.010.982.002		
Pin N°	Function	Wire's color
1	NC	White
2	Vcc (+12Vdc to 48 Vdc)	Brown
3	GND (0V)	Green

Reference	79298664		
Drawn by	F. BERTAUD	DEGAUDIE	
Verified by	J. BERTAUD	DEGAUDIE	
Authorized by			
Product	POWER CABLE		
Designation	PFT001.x<C>y<M>		
Unit	mm	degrees	Scale
Material			A3
Designation			1/1
POWER CABLE			
POWER CABLE DATA SHEET			
Department	2, rue du Dr ABEL		
MO	BP 59 26502		
	Valence CEDEX 9		
	France		
Request	C.MO.DEF.01327.FR		
Reference	DE79298664FR		

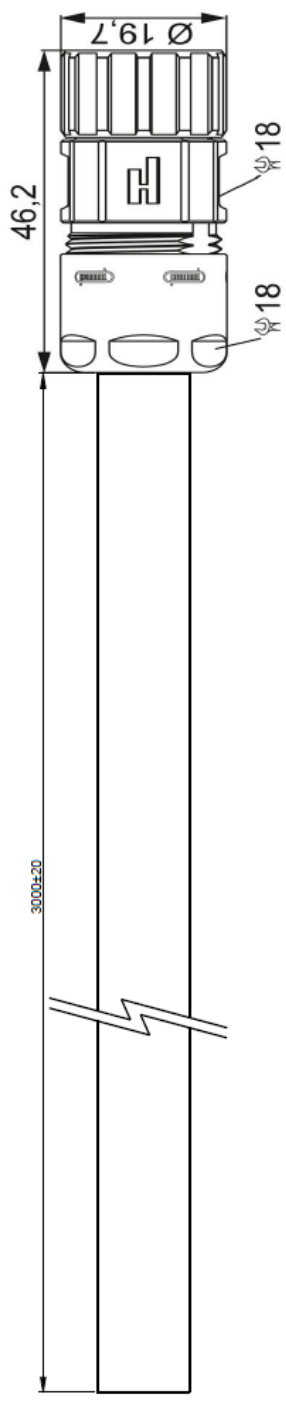
6. I/O CABLE DATASHEET

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



FLANSON POUR LANCEMENT		Reference		79298663	
Identified by	P_BERTAUD	Identified by	P_BERTAUD	26/04/2015	
Verified by	J_BERTAUD	Verified by	J_BERTAUD		
Authorized by		Authorized by			
First Product		Tooler gene. in #		Designation	NO
		Tooler gene. App. #		General Raw surface	A3
				Designation FR	L_O_CABLE_M18
				Designation GB	I/O CABLE DATA SHEET
Department	2, rue du CHATEL	Designed by	R_GAMET	Reference	
M/O	Valence CEDEX 9	Verified by	J_BERTAUD	Index	B
Request	C.MO.DEF 01327.FR	Authorized by		Index	1/1
				Reference	DE79298663FR