

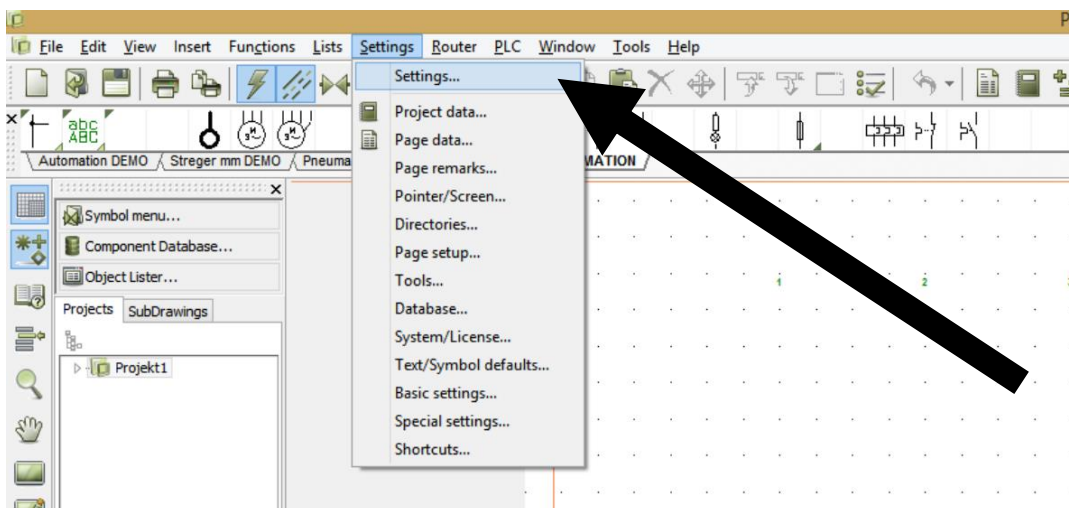
Small user guide to PC Schematic.

Indhold

Setting the language to English.	1
Making shortcuts.....	3
Making a reference list	5
Symbol creator	5
Using the reference list	9

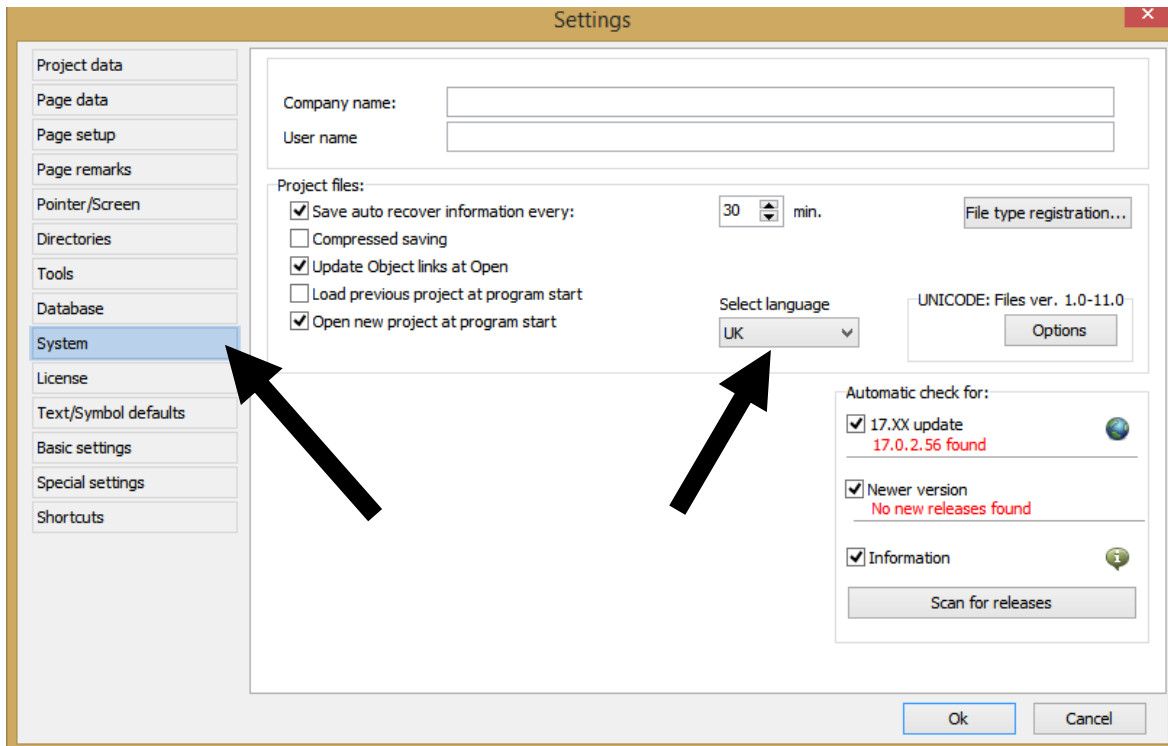
Setting the language to English.

If PC Schematic is not set to english, it can be done as follows. The buttons are in the exact same place as in Danish, easy peasy.



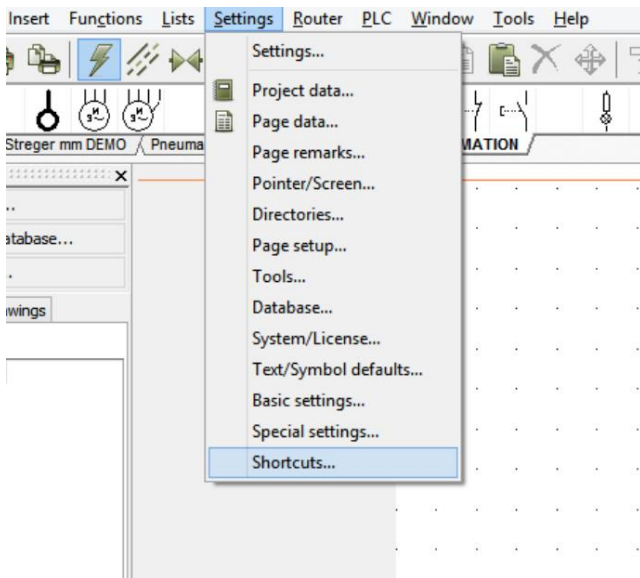
Select Settings, and settings

System and then “Select language” and change it to UK.

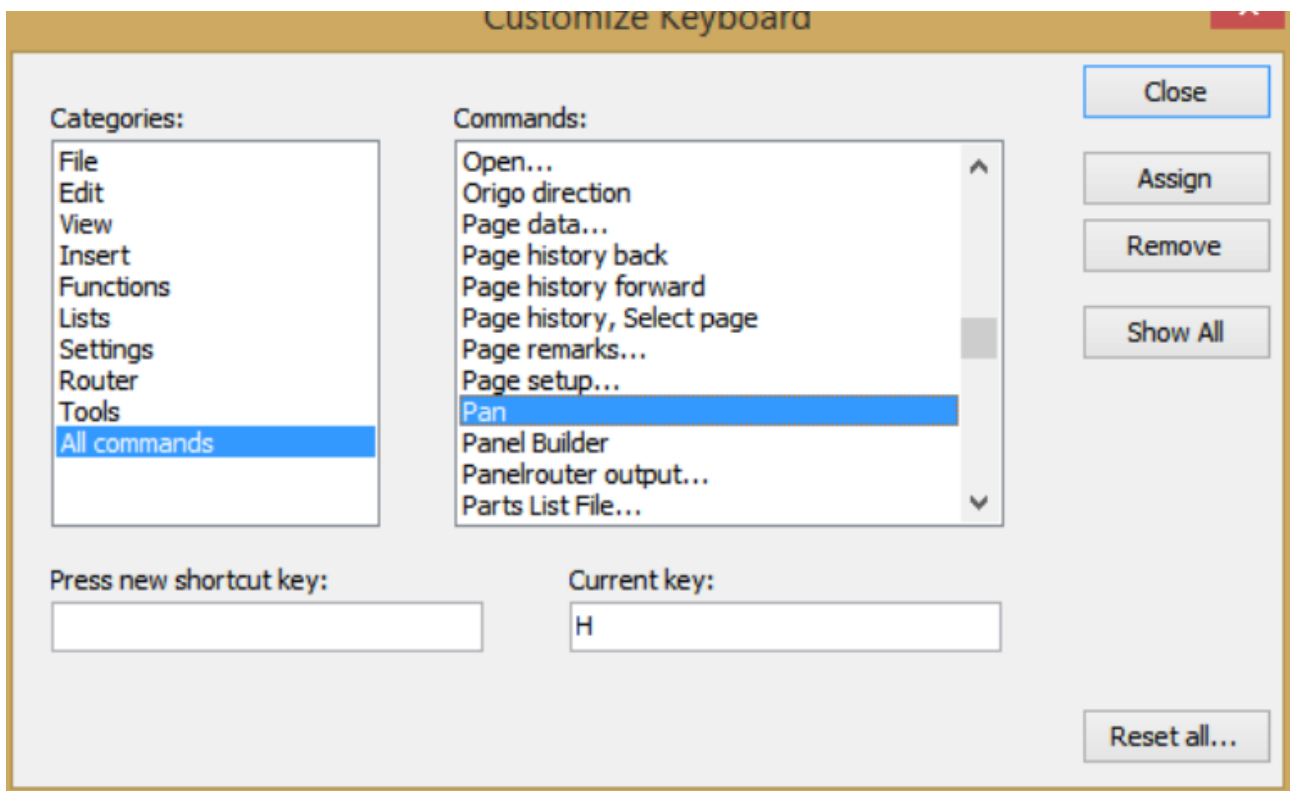


Making shortcuts

There is, by default no shortcut for the hand/ pan tool. To make a shortcut, hit “Settings” and “Shortcuts”



Then find the “All commands” and “Pan”. Enter a new shortcut key.



Then hit “Assign” and “Close”. Like a glove!

A couple of other handy shortcuts include:

Key	Use
s	Symbols, hit this key to adjust symbols, and click again to place them
L	Line, hit this key to make lines and manipulate them
T	Text, used to make and manipulate text
Z	Zoom
LCTR + scroll	Zoom scroll

You will only place symbols, text and lines when this icon is set



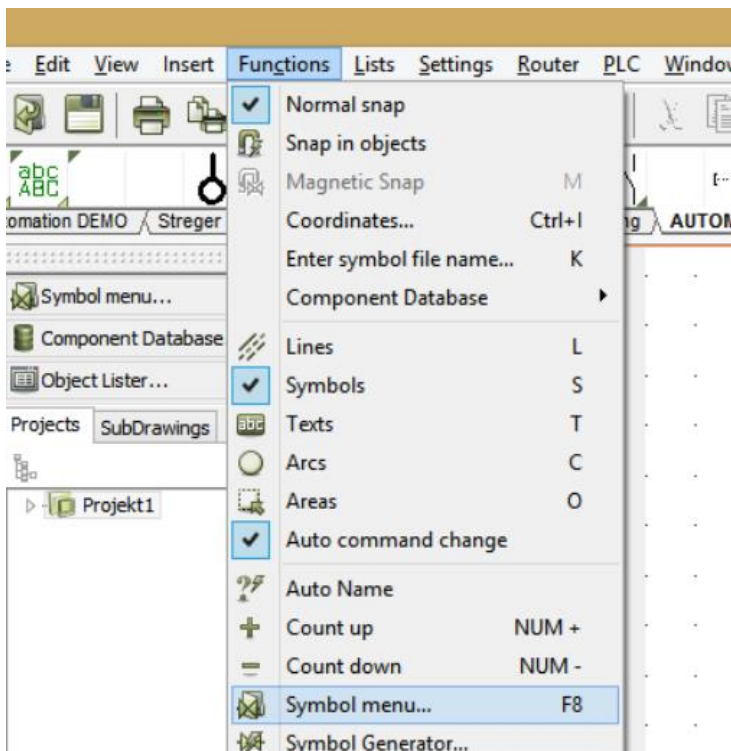
Making a reference list

To make the different nodes for the sensor, battery etc. everything is made via PLC.

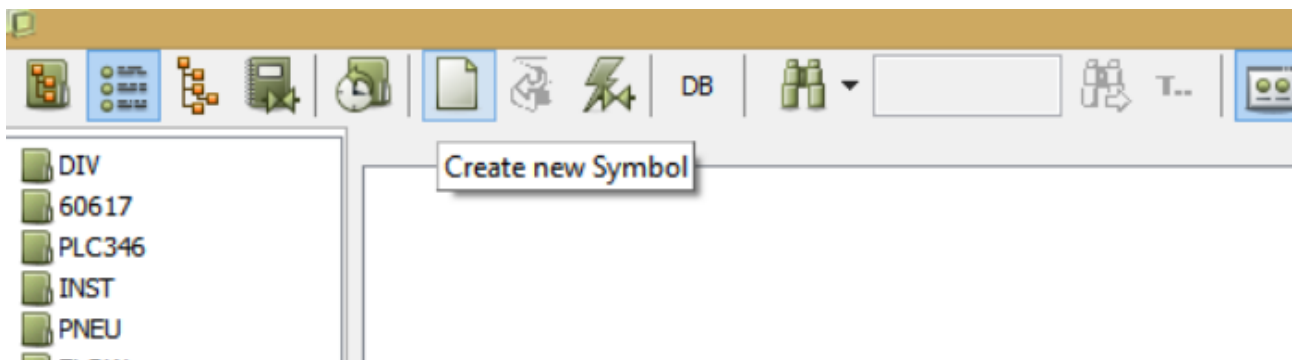
This means that when inserting sensors, and connecting them to the node, all that is needed is to select the I/O address, and the description, reference, name and label are automatically inserted.

Symbol creator

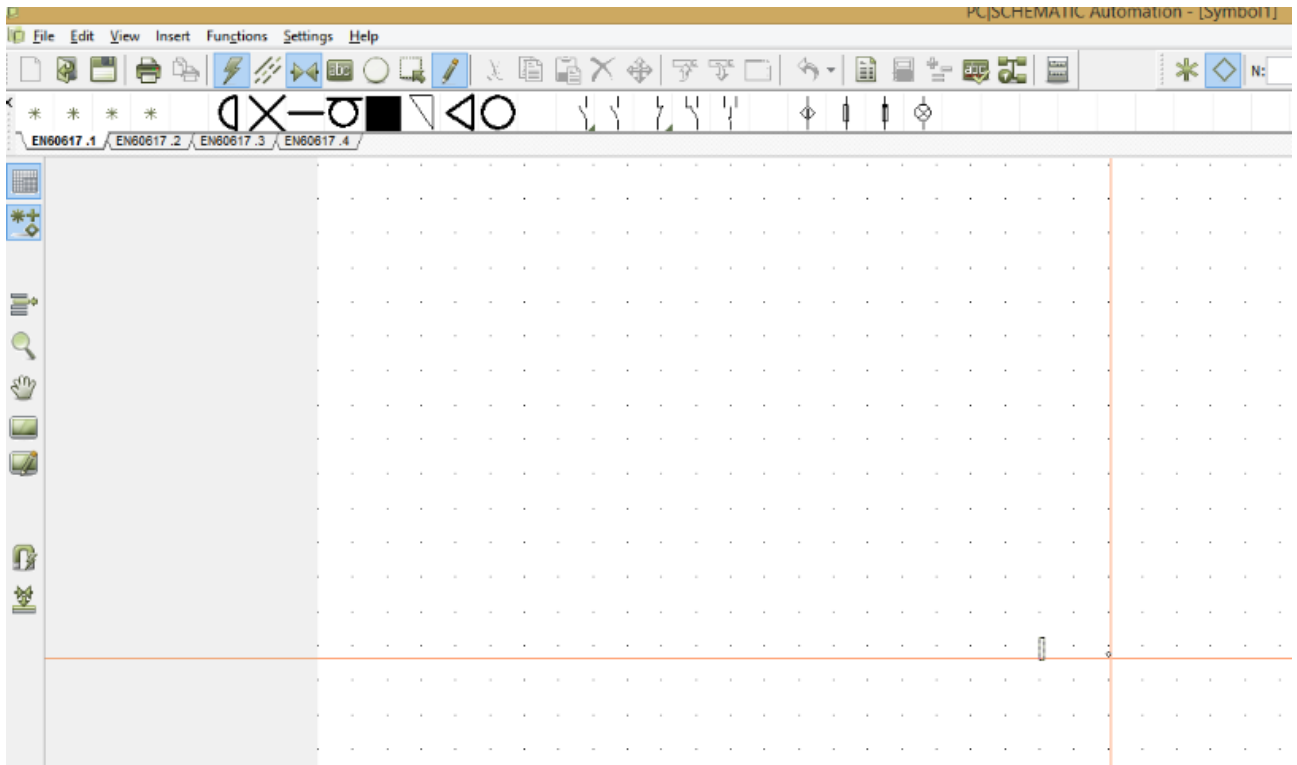
Start by hitting F8, or alternatively go under “Functions” and “Symbol Menu”



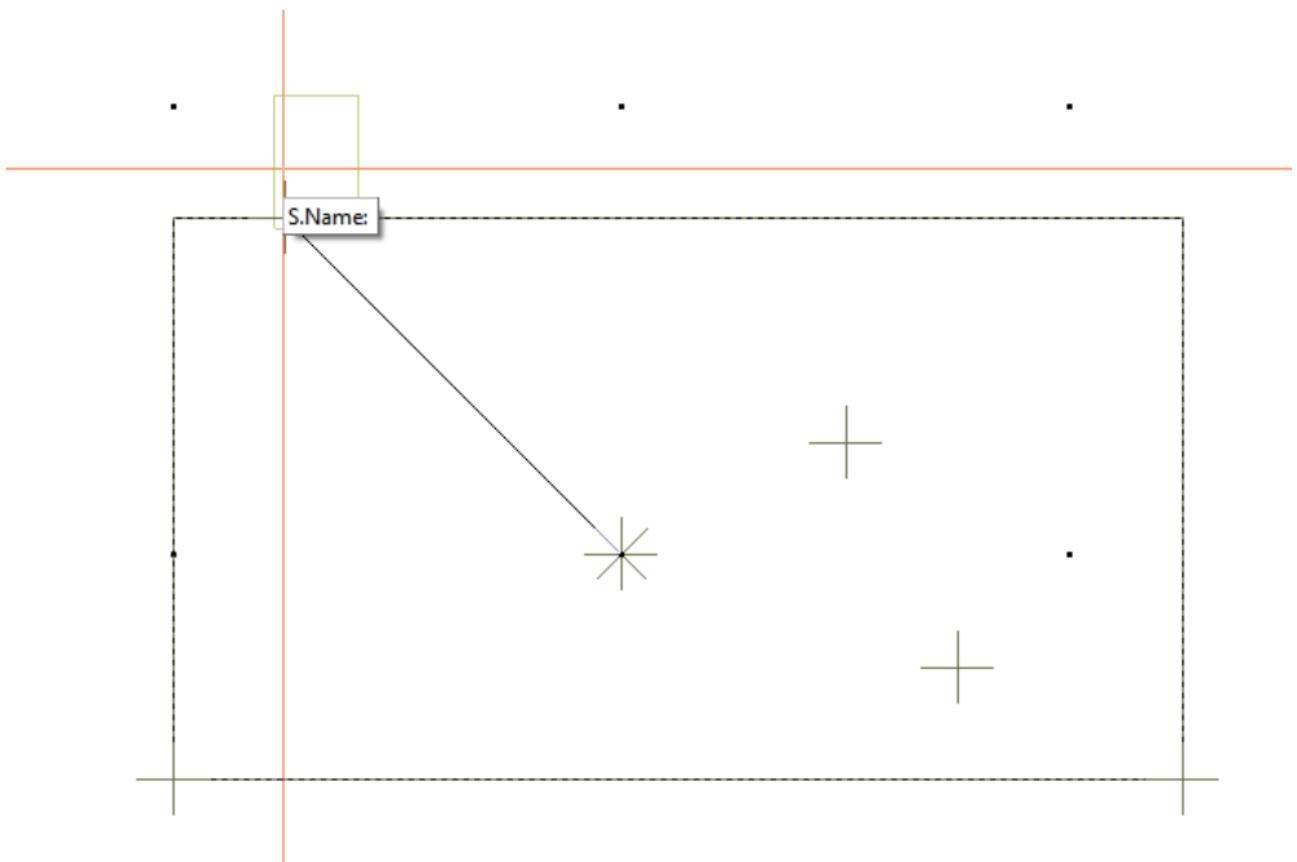
Then press “Create new Symbol”



You will then see a blank page with a little rectangle in the middle

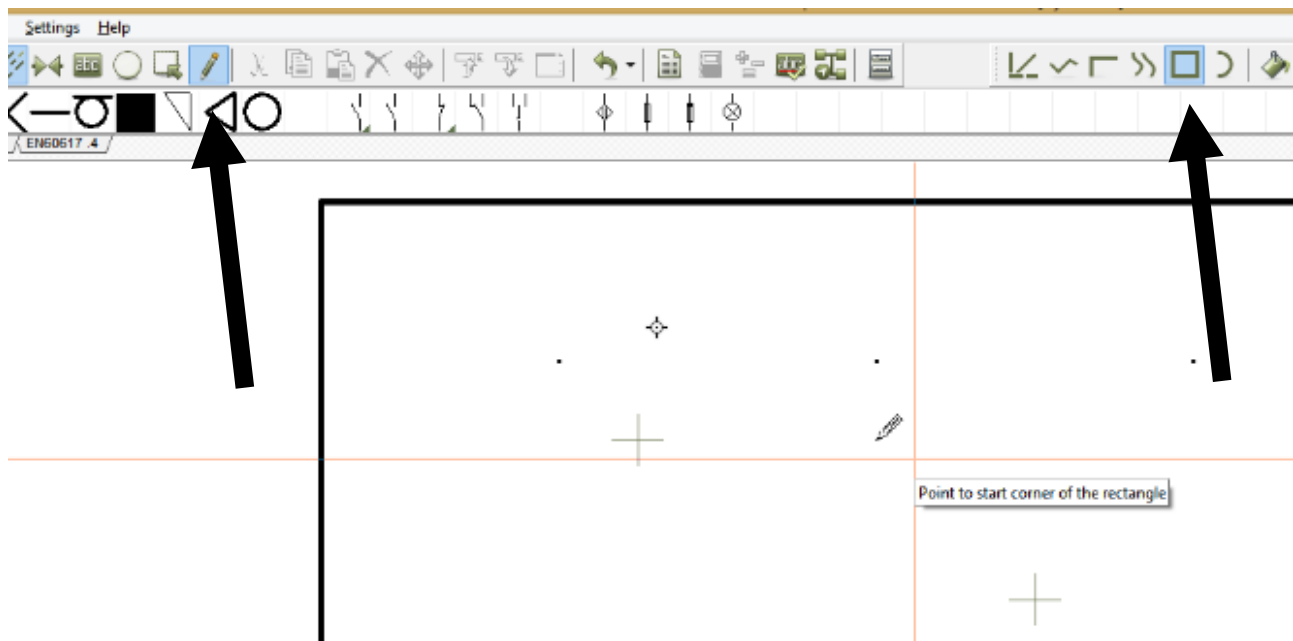


Zoom in on the little rectangle, and while in the symbol options (hit s if the two arrows pointing at each other is not already selected) hover to see the different meaning of the symbols



This symbol is what will be the name of the symbol as input.

To make a reference list, first, make a large square, via the square option while having “line” selected



It will be in this box that the reference list will be defined. After sizing it appropriately start setting up connection points.

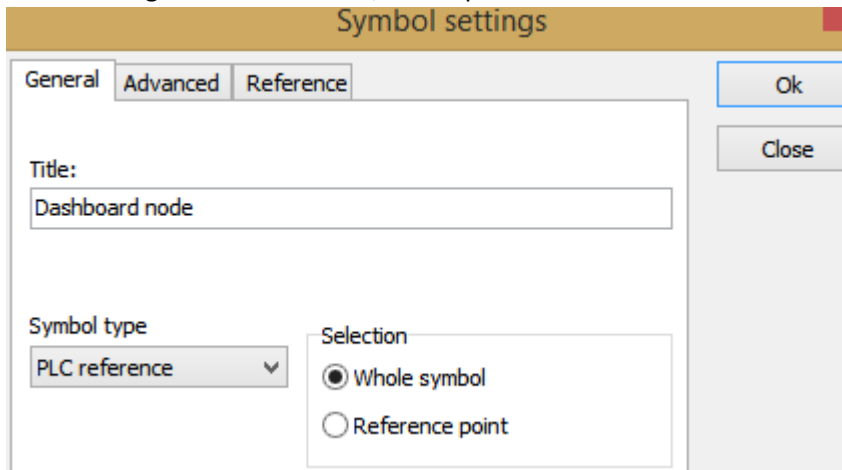
As an example, look at the dashboard node

DASH NODE		
DB.01	LV POWER	4
DB.02	GND	2
DB.03	Ethernet Connection	EPL 1
DB.04	Ethernet Connection	EPL 2
DB.05	Digital input 1	4
DB.06	Digital input 2	2
DB.07	Digital input 3	3
DB.08	Digital input 4	4
DB.09	Digital input 5	5
DB.10	Digital input 6	6
DB.11	Digital input 7	7
DB.12	GND	8

The name is the socket name, the I/O address is the pin number, starting from 0.01 and the nupwards.

It is important to select the “Main type” as “output” and the extension as “PLC” and check the “With reference” box.

When saving this reference list, it is important to save it as a “PLC reference”.



The image shows a screenshot of a software dialog box titled "Symbol settings". The dialog has three tabs: "General", "Advanced", and "Reference", with the "Reference" tab currently selected. Inside the "Reference" tab, there is a "Title:" label followed by a text input field containing the text "Dashboard node". Below this, there is a "Symbol type" dropdown menu set to "PLC reference". To the right of the dropdown is a "Selection" section with two radio button options: "Whole symbol" (which is selected) and "Reference point". On the right side of the dialog, there are two buttons: "Ok" and "Close".

Using the reference list

Insert the node into your project and insert some of the already predefined symbols, found in the github “Symbols needed for producing nodes”.

Place the “PLC 1 udgang” and “MODUL_1_INDGANGE” and connect them with a line.

Next, double click on the “PLC 1 udgang” and click on I/O addresses, which will produce the following picture

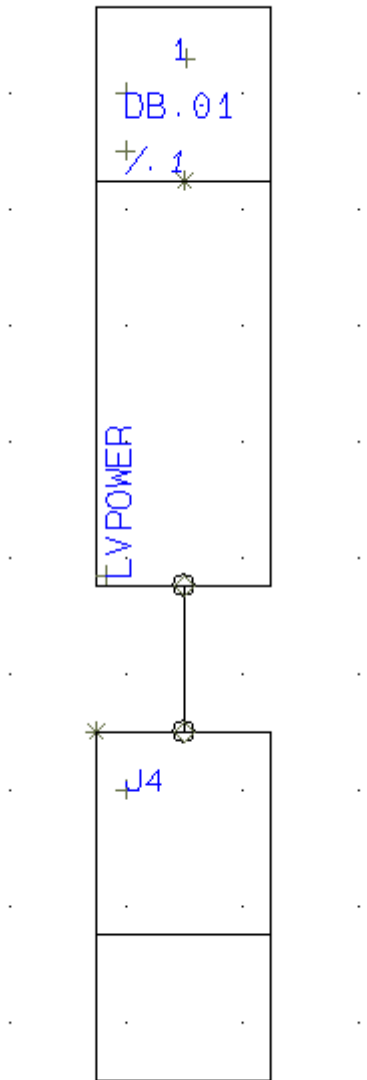
Select the desired connection point, and voila.

The image shows a software interface for configuring a component. The top part is a dialog box titled "Komponent data [-K]". It has several input fields: "Navn:..." with the value "-K", "Type:", "Vare nr:", and "Funktion:". There are also checkboxes for "Synlig" and "Mekanisk". Below these fields are tabs: "Generelt", "I/O adresser", "Reference", "Tilslu.", and "Mekanisk tilbel". The "I/O adresser" tab is selected, showing fields for "Mængde:" (1,0), "Skala:" (1,0), "Vinkel:" (0,0), and "Symbol:" (50-02-05). There are also checkboxes for "Synlig", "Mekanisk", "Elektrisk", and "Medtag ved Mekanisk placering". On the right side of the dialog box, there are buttons: "OK", "Alle", "Annullér", "Detail", "Database", and "I/O adr....". Below the dialog box is a table titled "Udgange:". The table has six columns: "Navn", "Funktion", "Tilslutningspunkt", "Beskrivelse", "Label", and "I/O Statustyp". The table contains 12 rows of data, including "LV POWER", "GND", "Ethernet Connection", and "Digital input 1" through "Digital input 7".

Navn	Funktion	Tilslutningspunkt	Beskrivelse	Label	I/O Statustyp
-DASHBOARD NODE	DB.01	1	LV POWER		
-DASHBOARD NODE	DB.02	2	GND		
-DASHBOARD NODE	DB.03	EPL 1	Ethernet Connection		
-DASHBOARD NODE	DB.04	EPL 2	Ethernet Connection		
-DASHBOARD NODE	DB.05	1	Digital input 1		
-DASHBOARD NODE	DB.06	2	Digital input 2		
-DASHBOARD NODE	DB.07	3	Digital input 3		
-DASHBOARD NODE	DB.08	4	Digital input 4		
-DASHBOARD NODE	DB.09	5	Digital input 5		
-DASHBOARD NODE	DB.10	6	Digital input 6		
-DASHBOARD NODE	DB.11	7	Digital input 7		
-DASHBOARD NODE	DB.12	8	GND		

It should look like this.

-DASHBOARD NODE



-DBN LV SPPLY.