

Importing a DWG Footprint and Assigning Intelligence

All Electrical Designer Users


In this month's Tips and Tricks we are going to show how to correctly define electrical intelligence to a 2D footprint. Electrical Designer, whether LT or Pro supports 3D so if you wish to use a 3D model, download the appropriate model instead.

It is recommended that you download the *June 2010 Tips and Tricks* from our website in order to fully complete this Tips & Tricks.

In order that you don't have to create a 2D drawing yourself, please download *ATV312HU75N4_EW.DWG* from www.traceparts.com. Alternatively, please contact support@midastechnology.co.uk who will also be able to send you the drawing.

Extract the DWG to a temporary directory


Highlight the *PHYSIC* or footprint library you wish to add the symbol into

Select  from the *Elements* tab

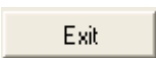
Select 

Select ▼ *Files of type DXF,DWG*

Browse to the temporary directory where you extracted the downloaded 2D footprint

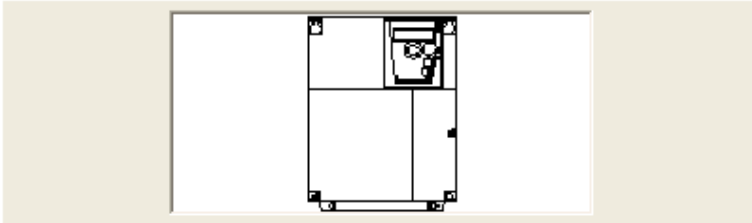
Highlight the file and select 

Select 

Select 

When importing multiple footprints, you can import several drawings at once by using SHIFT & CTRL.

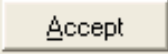
The new footprint will now be shown in the list of elements:



Select  *Edit Element*

Add a description to the footprint

Description: Variable speed drive ATV312 N4. Motor power 7.5kW

Select 

Select 

Select  *Definition Wizard*

Element measurements

Element measurements

Rectangular

Height

Width


Depth

Cylindrical

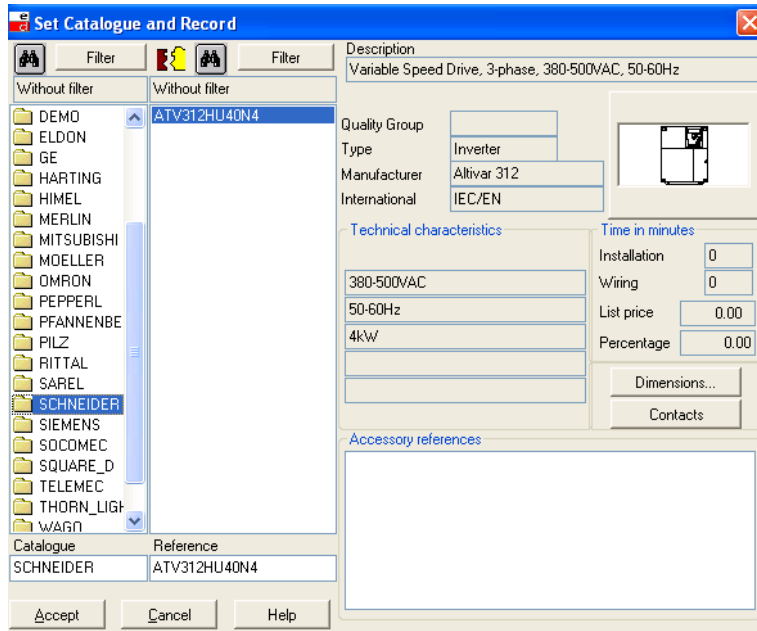
Diameter

Depth

<< Previous Next >> Cancel Help

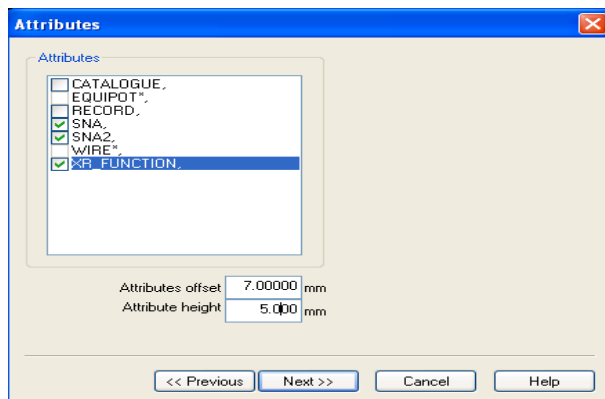
Either type in the dimensions as 170,140,148.37 OR select 

If the later is chosen, select the ATV312HU40N4 part created in *Tips and Tricks dated June 2010*



Select

Select



The minimum information that a 2D footprint requires is the component tag (SNA) but it is at your discretion whether further information would be useful in being shown in the layout drawings

Set the text height = 5mm and the offset = 5mm (or whatever gap you require between texts)

Select

If you do not have the MAX module:

Select Without connected pins

If you have the MAX module:


Select Insert connected pins > either from the project element (if created) or from scratch

Enter the insertion point of SNA as 0,0

Select until all attributes are inserted

If you wish to change the justification of the attributes, select *Properties*

If you wish to change the layer of the 2D model, select *Properties*

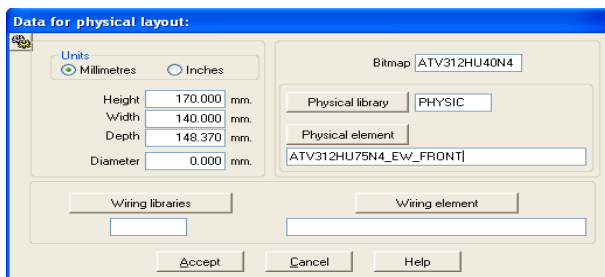
If you wish to change the Insertion point, select 

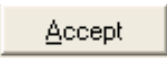

The insertion point of the symbol will generally be the origin point shown by the X-Y axis.

Close the drawing to save the changes

This 2D footprint can be associated with the correct part information. Please follow the *Tips and Tricks dated June 2010* titled **Creation of a New Part within the Manufacturers Parts Database** and assign the following:

Physical Element: ATV312HU75N4_EW_FRONT



Select  to save the changes and  *End Element*.