

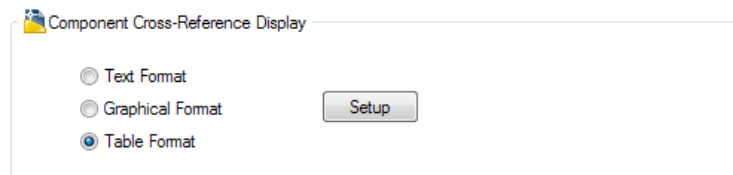
Creating a User-Definable Cross Reference Style

AutoCAD Electrical 2017

The default method of cross referencing is to use the Graphical Format which is defined in the *Project Properties > Cross-References* tab. This displays the cross-referencing using the AutoCAD Electrical graphical font or using contact mapping edit boxes while displaying each reference on a new line.

However, this methodology is a little restrictive in the style and the information that can be displayed.

An alternative to the above is to use the *Table Format*

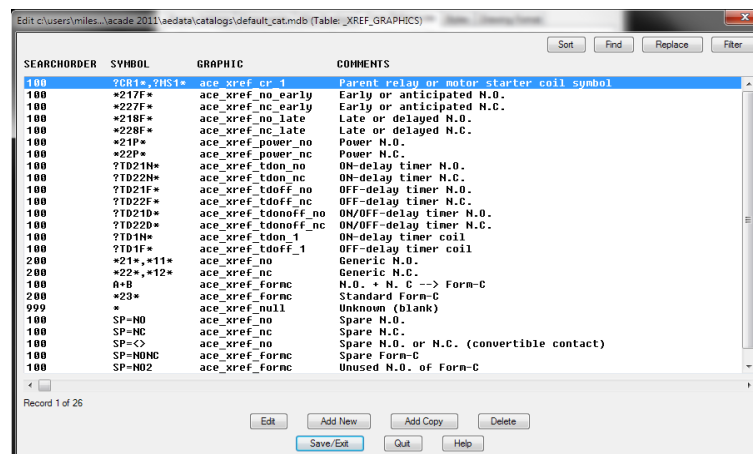


Select

If you wish to change the graphic that is associated with a Power NO contact as an example and differentiate it from a NO contact, then this can be achieved


Select *Symbol Mapping*

Select




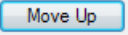
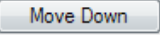
This dialogue allows the user to define which symbols are associated with which style of graphical cross reference.

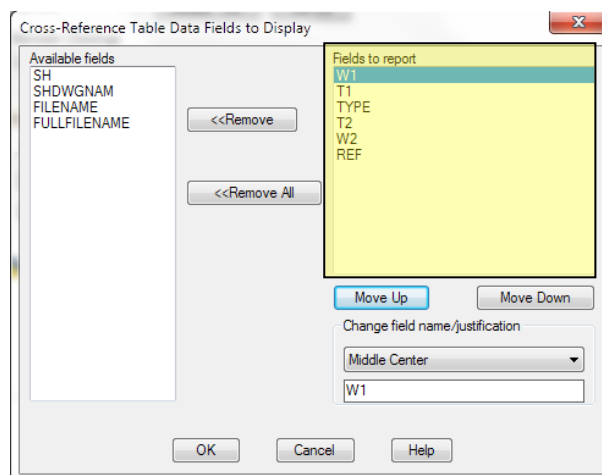
In our example, the symbols called *21P* use a graphical cross reference symbol of “ace_xref_power_no”. Therefore, the symbol VMS21P which is the NO power contact will assume a different graphical representation to a VCR21 which is a NO contact.

Select  if no changes have been made

In the bottom left corner of the dialogue you are able to define the table style and the information shown

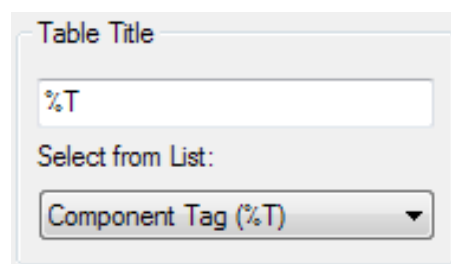
Select 


By selecting on the *Available Fields* on the left we can add “W1” & “W2” (wire number fields) to what is going to be shown. We can also change the order of the information by using  or 



Select 





If you don't wish the component TAG to be displayed above the cross reference information displayed under/to the side of a coil, you can delete the value shown in (i.e. %T)



Select  to save any changes

Try it out!

This will give a result similar to the following displayed under/to the side of a coil

0BM01Q1					
W1	T1	TYPE	T2	W2	REF
4	1/L1		2/T1	5	1/4C
6	3/L2		4/T2	7	1/5C
8	5/L3		6/T3	9	1/5C
	13		14		

However, many users will not require the “border” surrounding the information

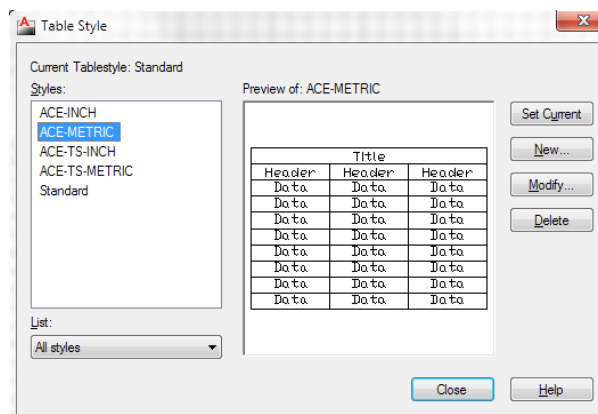
The Table Style is defined in a drawing called TABLESTYLE.DWG

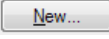
This is located within *Windows 7/8/8.1/10* in:

C:\Users\<<your user name>>\AppData\Roaming\Autodesk\AutoCAD Electrical 2017\R21.0\enu\Support

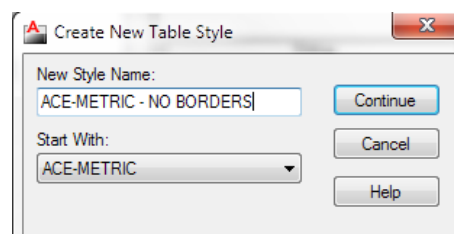
Open the TABLESTYLE.DWG up

At the command prompt, type TABLESTYLE



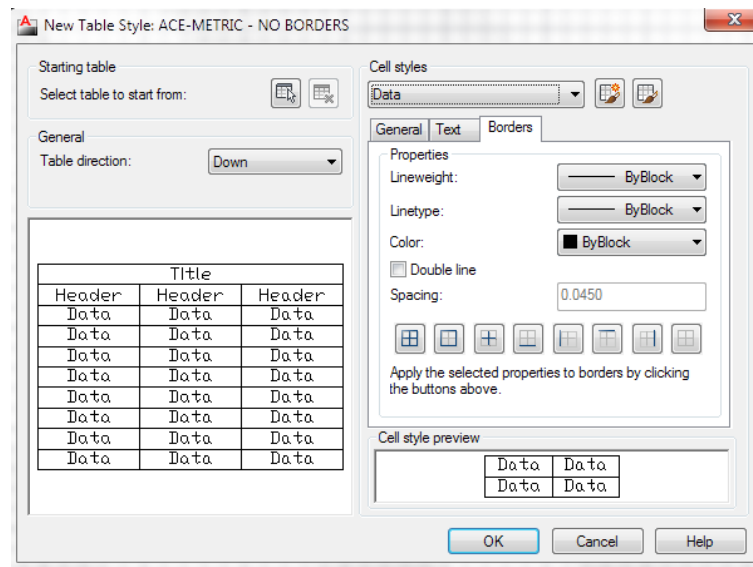
Highlight ACE_METRIC and then select 

Change the Style Name to be ACE_METRIC – NO BORDERS



Select 

The following dialogue will be displayed. A table is made up of three parts: Data, Header & Title information. This is shown under *Cell Styles*



Select *Data*

Select *Borders* tab (as shown)

Select  (no borders)

Select *Header*

Select  (no borders)

Select *Title*

Select  (no borders)

Select 

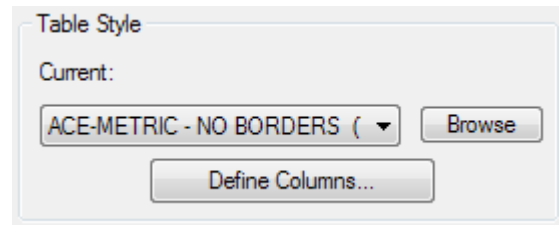
Select 

Save the TableStyle.DWG

In the *Project Properties* > *Cross References* tab

Select

Change the TableStyle to the newly created ACE_METRIC – NO BORDERS


 Select to accept any changes

A drawing contains the TableStyle in its memory so the drawing may need to be purged if the table style name has not changed

A drawing should have the Project Properties applied to it

A drawing may need to have the cross reference information updated

The borders will be still visible in the drawing (grey) but will not print out (similar to the columns and rows in Excel)

QBM01Q1					
W1	T1	TYPE	T2	W 2	REF
4	1/L1	↗	2/T1	5	1/4C
6	3/L2	↗	4/T2	7	1/5C
8	5/L3	↗	6/T3	9	1/5C
	13	↗	14		