

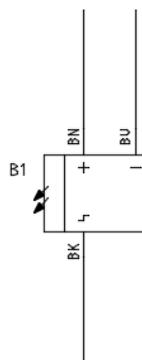
Creating a Multi-deck Terminal Association

AutoCAD Electrical

Due to space or design requirements, it may be required to have a multi-level terminal rather than two or three separate terminals.

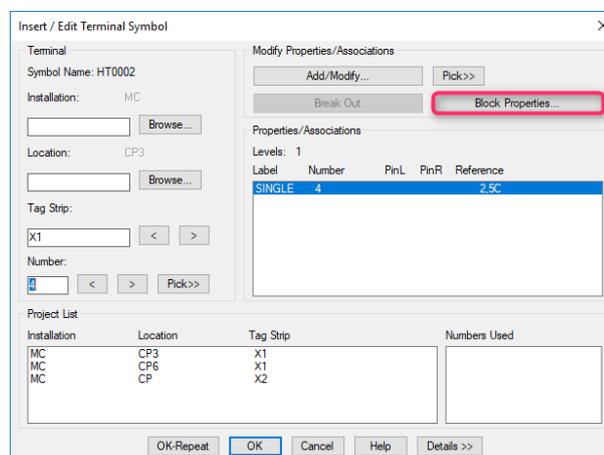
However in the schematic, these are often shown as individual terminals because of the design layout. This document explains how to achieve this from within the schematic rather than the terminal editor.

A good example is an emitter circuit which may have terminal connections to the +, - and Com connections. An example of this is shown below:

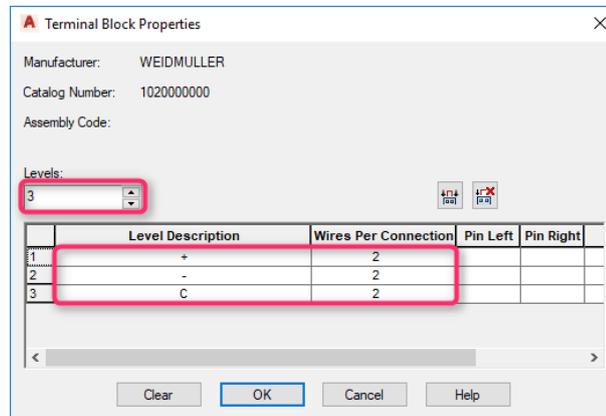


There are many types of terminals but we are going to use a round terminal with terminal number. The user has the option of defining a separate terminal number for each level as well.

Place a terminal down on the wire connecting to the +
Define the information as shown and then select *Block Properties*



Define the levels as shown



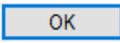
Terminal Block Properties

Manufacturer: WEIDMULLER
 Catalog Number: 102000000
 Assembly Code:

Levels: 3

	Level Description	Wires Per Connection	Pin Left	Pin Right
1	+	2		
2	-	2		
3	C	2		

Buttons: Clear, OK, Cancel, Help

Select 

The 1st wire connecting to the + of the emitter will be connected to the top deck of the terminal as a default.

Place another round terminal with terminal number on the wire connecting to the –

The terminal number will increment up to the next number BUT you can force the value to be the same as

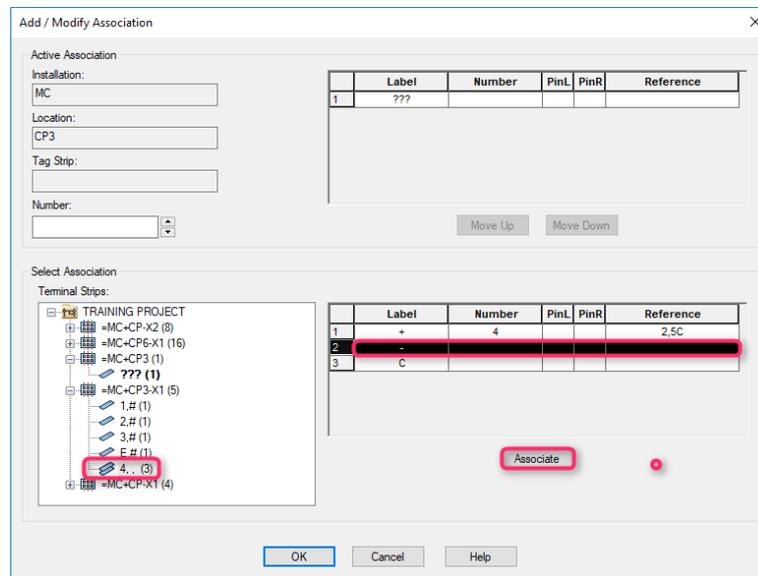
the first terminal by using the 

Under *Modify Properties / Associations*, you can either select  or 

If you select , pick the “master” terminal connecting to the + of the emitter and the second terminal will assume the second deck of the terminal.

If you select , you can highlight the terminal on the left you wish to associate, then define which level of the terminal and then finally 

Multi deck terminals are easy to spot as they have a value in brackets after the terminal number greater than 1 e.g. 4.. (3)



Select  to save the changes

Repeat the process for the terminal connected to the Com of the emitter.

Although graphically you seem to have three terminals shown in the schematic, the bill of materials will only show one terminal and the Terminal Editor will only show one terminal.



Editor

If you select Terminal Editor, the different levels are shown to the right of the dialogue. You can manipulate “in” and “out” information by the *Destination* tools.

L 1					400VAC			4			400VAC		BN	B1	CP3	MC
L 2					400VAC			4			400VAC		BU	B1	CP3	MC
L 3								4			400VAC		BK	B1	CP3	MC