

elecworks™ Tips & Tricks

PLC Management: Slot/Module Order

PLC's can be defined as a traditional rack/slot arrangement or a module based system. If a PLC rack is defined, then the number of slots is governed by the rack itself. If the PLC is a module based system, then the number of modules associated is governed by the user.

In both instances the order of the cards is at the users discretion and the numbering system adopted for the nodal or address based system is user definable.

The number of slots that a rack has available is defined within the part information within the manufacturer parts management.

Example of a PLC rack: This advises that this rack has 4 available slots.

Manufacturer data	
Card position:	
Slot:	4
I index:	
Q index:	
AIW index:	
AQW index:	
Channel address formula:	

The number of slots that a card utilises is defined within the part information within the manufacturer parts management. A card as an example could take 2 slots up within a rack.

Example of a PLC slot: This advises that this card utilises 1 available slot of a rack.

Manufacturer data	
Card position:	
Slot:	1
I index:	
Q index:	
AIW index:	
AQW index:	
Channel address formula:	

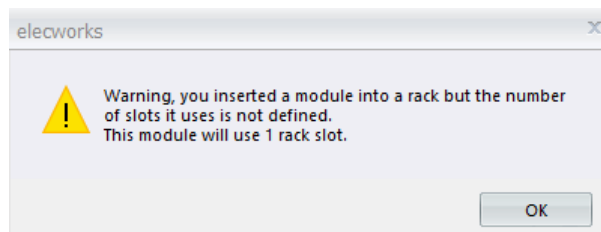
Example of a PLC module (not rack & slot).

Manufacturer data	
Card position:	
Slot:	
I index:	
Q index:	
AIW index:	
AQW index:	
Channel address formula:	

The order that the PLC's are drawn depends on the order in the *PLC manager* tree.

If using a rack and slot based system, the card position value is defined automatically by the slot number of the rack where you insert the card. The card position value defined in the library will be overwritten by the *Slot* column value. A slot may be dragged and dropped within the slots of the PLC rack to change the order.

If you insert a part (that has no slot parameter defined) into a slot of a rack, the following message will be displayed:



If using a module based system, then the order that elecworks produces the drawings is solely by the order that you add them into the *PLC manager*. You cannot drag and drop PLC modules.

To edit a *Card Position* of a module based system:

Highlight the PLC module you wish to edit:

Mark	Location	Func...	Slot	Reference	Description (English)	Manufacturer	Configuration
J2035 4 Hd In-Line Filler							
016N01	MCP01 - MCP01...	F1		1756-PB72	8 - 32 VDC POWER SUPPL...	Rockwell Autom...	DefaultAutoma...
026N01	CP01 - CP01 Ma...	F1		1734-AENTR	1734 2-Port EtherNet/IP A...	Rockwell Autom...	<Default>
027N01	CP01 - CP01 Ma...	F1		1734-FPD	FIELD POTENTIAL DISTRIB...	Rockwell Autom...	<Default>
028N01	CP01 - CP01 Ma...	F1		1734-IB8S	8 Digital Safety Input 24 V...	Rockwell Autom...	<Default>
029N01	CP01 - CP01 Ma...	F1		1734-IB8S	8 Digital Safety Input 24 V...	Rockwell Autom...	<Default>
030N01	CP01 - CP01 Ma...	F1		1734-IB8S	8 Digital Safety Input 24 V...	Rockwell Autom...	<Default>
031N01	CP01 - CP01 Ma...	F1		1734-IB8	8 Digital Input 24 VDC PN...	Rockwell Autom...	<Default>



Select

Edit the numerical *Card Position* value.

A duplicated card position number will renumber one of the duplicated items to the highest available number. It will not show an error message.

