NEWS IN PC|AUTOMATION VERSION 24



This document descrinbes new features of the PC|Automation version 24.

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SYMBOL EDITOR

When you create new symbols, you want all texts to be aligned nicely. You don't always succeed the first time ...

The Symbol editoren has been expanded with an extra tab, in which you can adjust all symbol texts. The function works on diagrams symbols and mechanical symbols.

Diagram symbols

The texts are adjusted according to

- Distance to 'symbol body' 0,3M = 0,75 mm
- Font and color according to user setting!
 - We recommend to follow the standard, meaning that all texts are 1M = 2.5mm and font= Osifont eller Arial
- Symbol type: Box or line / vertical or horizontal



Below, you see an example with an old symbol from <ver 22. The old symbol at the left has its name set upside/down, and the font was PCSCHEMATIC.

The symbol type is a box and the direction is vertical.

The corrected symbol is at the right.



Mechanical symbol

Mechanical symbols have the same physical measurements as the component itself.

The * (reference point) is places – as always – in the middle fo the DIN-rail.

The new function also allows to align mechanical symbols:

You need to be on a mechanical page; if you are, the XY (origo) symbol places itself on the *,

All names are replaced and adjusted

- S.name is aligned in the middle, grows upwards
- S.name size is 2M
- C.names are aligned in the middle of the connection point



REMEMBER

Text/symbol default settings (color, font, size) are set according to the current project's settings!

The Advanced tab

When you create symbols, it is now possible to select the property 'Include in Mechanical Load' directly on the symbol (same property as in Component Data).

If you create a sensor, you will probably deselect it 😊



n U

Symbol generator – Text placement

The Symbol Generator uses the same rules for text placement as we use when we create new symbols.

When you create a symbol like this with connections at top/bottom and connection names outside the symbol, the texts are placed correctly, when you press the OK button and place the symbol in the diagram,

If you want to make something else or edit this, you use the function in the symbol editor.

 Rectangular 	Width (mm)	Height (mm)	
🔿 Circular	20,00 🛟	10,00 🛟	
Line color			
\sim	Filled		$ \mathbf{B}_{+} + + + + $
Connections at top	•		+ + +
O Create by	/ count	A1,A2,A3,A4/A1,,A4	N 4 Q
🔾 Create by	y name list	1,3,5	
Connections at bot	tom		Design. char
O Create by	/ count	A1,A2,A3,A4/A1,,A4	B Mechanical symbol
O Create by	y name list	2,4,6	
Connections at left	side	None	Position of connections
	atsida	None	O Inside symbol
_ connections at rigr	it side	None	Outside symbol
			Outside with lines
			Pin spacing (mm) 5,00
Edit Symbol			OK Cancel

Symbol generator – mechanical symbol with round corners

You can create a mechanical symbol with round corners.

If you do it, you must go via the Symbol editor to save it, as the #XY-syntax doesn't allow round corners.

Symbol Generator [#x	20mmy20mmn(K)g]					×
 Rectangular Circular 	Width (mm) 20,00 🛟	Height (mm) 20,00 🗘				
Line color	☐ Filled				K	
Connections at top			None			
Connections at bott	om		None			
Connections at left	side		None	Design share		
Connections at right	side		None	K	🗹 Mecha	anical symbol
				With rour	nd corners	
Edit Symbol					OK	Cancel

UPGRADE PROJECTS FROM VER22

We have changed the dialogs and some of the functions in relation to upgrading of old projects.

You can read more about this below.

You get this dialog, when you open an old project that contains components that aren't found in the connected database.

You can go directly to import of the non-found components, or you can save a list in the same way as you did in ver23 😌

When you select the Import now, you go directly to the import wizard, which is changed slightly.



REMEMBER

You use your old settings and symbols from ver22, when you upgrade the old projects. So don't delete your old installation as long as you have files that you want to upgrade.

We have made a new guide that describes how you upgrade projects and components from old to new version.

You find it in our webpage

Old settings

The first time, you import, you must (should) select the file with ver22 settings. In this way, the 'old' database and your old symbols (and other settings) are found automatically. On the first page you see the database automatically, that you used in your old installation. You can change to another database.

0. Select database	1. Choose components	2. V22 database fields	3. Discontinued and own fields	4. Mapping to new fields	5. Symbo	bls		
Choose options for im	port of components							
Select file with user se	ttings							
It is recommended, th the symbols	nat you export your user s	ettings from a v22 installa	tion, and selects the export file below	/ to ensure you use the correc	t settings. This	also will enable	is copying	of
"C:\PCS\ver22uk\PC	SELCAD\"							
							Select	
Choose course								
Choose source	C\\0C\$\\ww22\\\\0C\$E(C		MDR					
Choose source Database	C\\PCS\\ver22uk\PCSELC	AD\DATABASE\PCSDB_UK	.MDB					
Choose source Database Table	C:\PCS\ver22uk\PCSELC Components	ad\database\Pcsdb_uk	.MDB					
Choose source Database Table	C:\PCS\ver22uk\PCSELC Components	AD\DATABASE\PCSDB_UK	.MDB					
Choose source Database Table Database folder	C:\PCS\ver22uk\PCSELC Components C:\PCS\ver22uk\PCSELC	AD\DATABASE\PCSDB_UK	.MDB					
Choose source Database Table Database folder	C:\PCS\ver22uk\PCSELC Components C:\PCS\ver22uk\PCSELC	AD\DATABASE\PCSDB_UK ~	:MDB					
Choose source Database Table Database folder	C:\PCS\ver22uk\PCSELC Components C:\PCS\ver22uk\PCSELC	AD\DATABASE\PCSDB_UK	.MDB					
Choose source Database Table Database folder	C:\PCS\ver22uk\PCSELC Components C:\PCS\ver22uk\PCSELC	AD\DATABASE\PCSDB_UK ~ AD\DATABASE	:MD8					
Choose source Database Table Database folder	C:\PCS\ver22uk\PCSELC Components C:\PCS\ver22uk\PCSELC	AD\DATABASE\PCSDB_UK	.MDB					
Choose source Database Table Database folder	C:\PCS\ver22uk\PCSELC Components C:\PCS\ver22uk\PCSELC	AD\DATABASE\PCSDB_UK ∽] AD\DATABASE	.MDB					
Choose source Database Table Database folder	C:\PCS\ver22uk\PCSELC Components C:\PCS\ver22uk\PCSELC	AD\DATABASE\PCSDB_UK	.MDB					
Choose source Database Table Database foider	C:\PCS\ver22uk\PCSELC Components C:\PCS\ver22uk\PCSELC	AD\DATABASE\PCSDB_UK	.MD8					
Choose source Database Table Database folder	C:\PCS\ver22uk\PCSELC Components C:\PCS\ver22uk\PCSELC	AD\DATABASE\PCSDB_UK ~ AD\DATABASE	.MDB					
Choose source Database Table Database folder	C:\PCS\ver22uk\PCSELC Components C:\PCS\ver22uk\PCSELC	AD\DATABASE\PCSDB_UK	.MDB					
Choose source Database Table Database folder	C\PCS\ver22uk\PCSELC Components C\PCS\ver22uk\PCSELC	AD\DATABAS€\PCSDB_UK ∨] AD\DATABASE	:MDB					

If all the other settings are made (and they are next time, you import), you can press the 'Import now' button and the components are imported immediately into your new database.

Unknown manufacturers

You still need to consider creating new and unknown manufacturers.

There is a new button to create all unknown manufacturers in one click: if you press the button, all unknown manufacturers are created with their previous names.

Unknown manufacturers		_		×
Manufacturers were founds, that an Unknown manufacturers are mapp	re not in the new database. ed to a similar manufacturer. All			<u>2</u> k
manufacturers must exist in the ne	w database		Car	ncel
From	То	<u>(+++</u>)		
Seimens	+ Siemens ~	·		
ME-MYSELF	+	·		
IDEC IZUMI		,		
PCS	+ PCSCHEMATIC ~	·]		
			Manufa	acturers

Old symbols

The main reason that you should select the file with old settings is, that it also contains the paths to your old symbols.

And in the new import guide, we also fetch the old symbols from the shown Alias'es.

'22 symbol søgem	apper (aliaser)		
60617_2015		C:\PCS\ver22uk\PCSELCAD\SYMBOL\60617_2015\	
MISC_2015		C:\PCS\ver22uk\PCSELCAD\SYMBOL\MISC_2015\	
PLC346		C:\PCS\ver22uk\PCSELCAD\SYMBOL\PLC346\	
MEC		C:\PCS\ver22uk\PCSELCAD\SYMBOL\MECTYPE\	
USER		C:\PCS\ver22uk\PCSELCAD\SYMBOL\USERLIB\	
FLOW		C:\PCS\ver22uk\PCSELCAD\SYMBOL\FLOWCHAR\	
PNEU		C:\PCS\ver22uk\PCSELCAD\SYMBOL\IECPNEU\	
BUILD		C:\PCS\ver22uk\PCSELCAD\SYMBOL\BUILDING\	
EIB		C:\PCS\ver22uk\PCSELCAD\SYMBOL\EIB\	
EN1861		C:\PCS\ver22uk\PCSELCAD\SYMBOL\EN1861\	
IBI		C:\PCS\ver22uk\PCSELCAD\SYMBOL\IBIICONS\	
HEAD		C:\PCS\ver22uk\PCSELCAD\SYMBOL\HEAD\	
	I-filer kopieres til	.Symbols\OldSymbols\	
lappe som symbo Symbol mappe:	C:\PCS\Ver24uk\PCAutomation\		

All old symbols are copied into a new folder – OldSymbols – so that all old components have their own old symbols after import.

Unknown_xxx

If components in this list has Unknown_xxx in their Manufacturers ArticleNumbers, it means that either

- we haven't created the component in our old database, or
- we did have it in our old database, but the component is obsolete.

Occec components 2. V22 database fields 3. Discontinued and own fields 4. Mapping to new fields 5. Symbols 6. Import Components	osee components 2. V22 database fields 3. Discontinued and own fields 4. Mapping to new fields 5. Symbol 6. Import Components y to import 7 records. With Manufacturer ManufacturersAnticleNumber BuiltinDepth CwCode DescriptID DescriptIDK UPC UNKNOWN_3C786669-3096F-4238-AE4E-909602A70EFA BuiltinDepth CwCode DescriptIDK RelesioNate RelesioNate Numport Components UPC UNKNOWN_3C786669-3096F-4238-AE4E-909602A70EFA BuiltinDepth CwCode DescriptIDK RelesioNate RelesioNate RelesioNate Numport Components UPCC UNKNOWN_3C96479-C527-464A-80AACEA942-4C EVENTLE RelesioNate RelesioNate <th></th>												
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-			Siemens	UNKNOWN_2D682D3	7-FA29-495C-A653-193C44EE0014				Fejlstrøms	safbryder 4-polet,	Type B, k	orttids	orsink
-													
		_											
		-											

In case you have imported your ver22 Alias list ...

If you have imported you old Alias'es into your ver23, and therefore have a long list, then you can copy all your old symbols into the OldSymbols folder in this way:

In the menu Functions| Special Functions, you select 'Collect aææ database user symbols in one folder'.

😓 Design Check		Replace all symbols
Update references		Update component portal symbols
Measurement	Ctrl+M	Reconnect components with unknown/bad Takenstatus
Special Functions		Collect all database user symbols in one folder
(+++)	1	1 2 3 4 5
Layer=1:Lag 1		Copies all user symbols, used in the active database, into one folder on the hard disk

You should also clean up the Alias list itself, as a long list will slow down the program. You can do it yourself, or you can let the program do it automatically as a part of this function.

You don't delete symbols or folders, only the Alias list!



THE CW CREATES PANELBUILDER COMPONENTS

From ver24 it is possible to create your own Panelbuilder equipment by using the Component Wizard, meaning that you don't need to contact us to create components with powerloss data for the Panelbuilder module.

And just to emphasize the point: we use this tool, too, when we create components for the Panelbuilder.

If you want to be able to use the component with the Panelbuilder module, you select that on the first tab,

You can select Panelbuilder data for Normal, Terminal and PLC.

When you press Next, you get to this tab.

Start by selecting Component type in the drop down list.

The result is saved in the usrPBData database field; if you fetch a Panel builder component from the portal, the data will be in the pcsPBData database field.

Component Wizard // Database='BM24.mdb' Table='Component'	nents'		- 🗆 X
I. Start creating 2. Basic component data 3. Panel Builder 4. Ch	iose diagram symbols 5. Mechanical symbol 6. Other diagram symbols	7. Accessories 8. Ex	xternal files 9. Other fields
Component ID 380:320:21:D-4999-8781-731866207C80 Manufacturer PGSCHEMATIC V Edt Manufacturer's article number pcs-MCB-001]	0	ComponentID, Manufacturer, Manufacturer's article no and Type The program generates a unique ComponentID. You have to select a menufacturer if non the list and type the manufacturer's antide multi-combination of Manufacture and Article no must be unique. This data is used to retere the component in the
Manufacturer's GTN number			Database. You can also type a Type-designation (optional) for the component. The name of the database data field that stores the data is in the parenthesis. Table code When you select a table code here, the component is automatically stored in the related group, and the wizard will help
V22 article number			you to select the correct symbols for it. Component kind There are various component kinds, and each one has its own method for data entry. Select the right one to get the right help from the Component Wizard.
pos-MCB-001 Table code 2250 Component kind Normal Fil out Panebuilder data			
Previous	Mode = New	Next	



You can see more details about creating components in the manuals for the Component Wizard and the database program.

For each component type, the window shows the relevant data fields, and you can't continue, until all fields are filled out.

Fields marked with * must be filled out, the other fields may be filled out.

art creating 2. Basic component data 3	3. Panel Builder 4. Choose diagram symbols 5. Mechanical symbol 6. Other diagram sy	mbols 7. Accessories 8. External files 9. Other fields
		Panelbuilder Start by selecting a componen
iniature circuit breaker (MCB)	×	type.
Basic data	Capsling and panels	fields. All compulsory fields and
Total number of modules*	Rows Columns	marked with ".
4	1 ~	Basic data
		including half modules.
	Width baight dooth in me	Internal codes (Code and CompType) are showed and
	X Y Z	be changed.
		Panels
Code	IP	Data is only relevant for pan papels/hoards. All measurem
CB		are in [mm].
CompType	PND 30	Operational data
0		Here you type the componen rated current [A], no, of pha
		and all rated temperatures [
peration loss	Power loss	Powerloss
Current*	Component loss*	Powerloss [W] is either for the component or per pole. The
6	5	not-selected fields are
Phases*	PNPol	Butomadeally deactivated.
3+N	✓	
Ref. temperatur*	PNNPol	
30		
MaxTemp*	Constant loss	
50		
MaxTerm		
		Nut I
evious	Mode = New	Next

Panel	v		Panelbuilder Start by selecting a component type. You can type in the relevant
Basic data	Capsling and panels		fields. All compulsory fields are marked with *.
Total number of modules*	Rows* Columns* 1 ~ Width height depth in mm* X Y Z ID ID		Basic data No. of modules of 18 mm; including half modules. Internal codes (Code and CompType) are showed and can be changed. Panels Data is only relevant for panel
PANEL	· · · · · · · · · · · · · · · · · · ·		are in [mm].
CompType P	PND30		Operational data Here you type the component's rated current [A], no. of phase, and all rated temperatures [°C]
Operation loss	Power loss		Powerloss
Current	Component loss		Powerloss [W] is either for the component or per pole. The not-selected fields are automatically deactivated.
Phases	PNPol		
Ref. temperatur	PNNPol		
MaxTemp	Constant loss		
MaxTerm			
Previous	Mode = New	Next	

Basically, there are four component types:

- Panels that contain all components
- Components that are part of the tree, meaning components that are included in the power dissipation calculation with their actual load. The are many different component types in this group
- Component that are not part of the tree, but take up space in the panel. They can dissipate heat and they also have a max temperature. There are many different types in this group
- Accessory, mainly fuses

The input window reflects which data that must be typed for each component type, making it possible to make the power dissipation calculation as stipulated 61349-3.

When components are used in the Panelbuilder

Components that represent the individual groups, are in the tree,

Also see, that the component names are updated.

				-
Panel Builder			-	U
<u>Files</u> <u>Settings</u>				
Distribution tree Other components Component fund	ction list Componen	ts Panel Layout SLD Power dissipa	tion Techn	ical data Exp
_		Component function		
	0000	Residual current protection device (RCD)	
	<u> </u>	Manufacturer	Phases	Amps
<u> 2000</u>		PCSCHEMATIC ~	3+N 🗸	25
		Description		
0 0 00 000	DB	PCS-RCD-007, RCD 3+N 25A		
		Component function		
	6.0	RCBO		
	8	Manufacturer	Phases	Amns
	0.0	PCSCHEMATIC ~	1+N \sim	2
		Description		
	DB	PCS-RCBO-003, RCBO 1P+N 2A		
		Component function		
Stov thine utlet	٥	Miniature circuit breaker (MCB)		
Ma Fro		Manufacturer	Phases	Amps
Diriti		PCSCHEMATIC ~	1 ~	2
Was		Description		
	DB	PCS-MCB-002, Circuit Breaker (MCB) 1P	2A	
	Amps	Names Modules below	Phases	Balance pha
	Favoritt	er		~
		L1: 17,58 A L2: 14 A I	.3: 15,59 A	
ile: PBDemo001.PBP	Modules: Total = 20	Placed = 20 Ur	placed = 0	

Components that 'only' takes up space in the panel: they can dissipate heat and also be sensitive to heat.

They are found and selected in the Other components tab.

🗒 Panel I	Builder						-		×
<u>Files</u> <u>S</u> ett	tings								
Distribution	tree Other components Componer	nt function list	Compon	ents Panel	Layout SLD	Power diss	sipation Technic	al data	Export
	871E0A1-1E2F-4433-8DC0-8439765A	C9FC, pb-1000, pb-100	Manuf PCSC Descri PCSL Descri	acturer HEMATIC ption JC1-1x12M, E Dions bels JJ		Modules 12 1x12M acement 7 0 0 0 0	DB Blank modules 1 Blank		
0.01	Component function Pushbutton								
	Manufacturer		Manu	ifacturer : PC	SCHEMATIC				
0 0	POSCHEMATIC		Modu	les of 18mm :	36				
	Description		Desc	ription : PCS-l	JC2-2x18M, Grup	petavle, type	e 2, 2x18M		
DB	pb-1000, pb-1000		∠ De	lete panel				Clear pan	el
					L1: 17,58 A L	2: 14 A	L3: 15,59 A		
ile: PBDem	o001.PBP	Modules:	Total = 22		Placed = 22		Unplaced = 0		

Load old Panelbuilder projects

When you load old projects, that is projects older than ver23, you can save a list with the unknown components.

With the list, you can import the components from you old database as described in the section Upgrade projects from ver22 from page 8.



If you use 'old' components, you may need to set your article number to the 'old' article nymer (often EANNUMBER), else the lists will not be nice. Imported projects are ok, as they keep the old article number.

Fetch new components from the Component portal

When you press the Component Portal icon in the Panelbuilder, you only search for components with Panelbuilder data.

👻 😹 Companents by r	manufacturer -	× +							- 0 ×
< → ♂ = c	components.p	cschematic.com/C	omponents/ByManufacturer/32	:4a7c7-71c7-40d4-b220-7be	58670c382				All Bookmarks
PC SCHEM/	ATIC			😂 Comp	onents 👻 Support		Download Ba	asket 💿 🛔 LN00001008	5 • English •
K BACK	\BB								
						Page 4 of 40 (1199 comp	ponents) 1 2	3 4 5 40	
		Search	Article Number 1	Туре	Description	RDS T	PCS T	Category 🝸	
			٩	Q	Q	Q	Q	Q,	
			2CDS251001R0217	S201-K1	Miniature Circuit Breaker - S200 - 1P - K - 1 ampere	F	2220	Panel Builder	
			2CDS251001R0218	S201-Z1	Miniature Circuit Breaker - S200 - 1P - Z - 1 ampere	F	2220	Panel Builder	
		0	2CDS251001R0251	S201-D25	Miniature Circuit Breaker - S200 - 1P - D - 25 ampere	F	2220	Panel Builder	
		0	2CDS251001R0254	S201-C25	Miniature Circuit Breaker - S200 - 1P - C - 25 ampere	r	2220	Panel Builder	
		0							

NO MORE OK/ALL CONFUSION!

In ver24, only the All button is active, when you change something in the Component data dialog.

That means, that if you press Enter, you change whatever on *ALL* symbols in the component.

In ver23 and all previous versions, both the Ok and the All button looked active = confusion, but if you pressed Enter you only changed data for the *selected* symbol.

Componen	t data [=SYS0.1/+1.1/-UC1.Q2]	×
le († 🗙 🛛		<u>O</u> k
All=Change all s	ymbols for the component Visible	All
<u>N</u> ame:	-Q222 Q : controlli \checkmark + - ? \geq \geq	
<u>Type</u> :	PCS-CON01 $\sum \sum $	Cancel
Article no:	PCS2250101 (ManufacturersArtideNumber) \sim $\sum \sum$	Unit
Eunction:	+-Σ 🛽 🗆	Database
Description:	Contactor 3POL 1NO 1NC type1	components
General Ref.d Quantity: 1, Scale: 1,0 Angle: 0,0 Symbol: PC Include in M The PLC corr	eesign. Symbol data fields Conns_ Accessory 0 Symbol type: Open 0 Skip default reference 0 Visible S-S00284-005 Mechanical echanical Load Electrical annected component Name protected	
Data source: U Component ID:	ser data 1C1CA1E7-F3A0-49BE-AF4F-54460435634A	

MULTI LETTER CODES FOR COMPONENTS

You can choose to show multi letters codes on components in the project. You choose so in the Database Settings.

The letter codes	Settings					×
are taken – by	Database	Database file name: C:\PCS\PCA System settings	utomation24\PCA	utomation\Database\BM24.mo	ib;Components	
default – from		Database	Database field	s saved in project files		
the RefIdIec		On Off	O None	lin lists		
database field		Select database file	 System field 	ds and fields used in lists		
(set up in the		Database setup	⊖ All databas	e fields	Fields never to be save	red
Basis mapping tab).		Update symbols from databas	e n changing article	no.	Set	ttings
In the project,		The component's article num Default	ber comes from th	e database field		
you can chose to		ManufacturersArticleNumber	, HistoricalArticleN	lumber, ManufacturersGTIN		
have the full		Project component database		Primary data source		
name as in the		Prioritize when updating lis	sts (locked)	Using portal data as first	priority	~
IIdille, as ill life				Number of letter codes fo	r the project	~
database field or				Entire name		
you can limit it to				1-letter code 2-letter code		
1, 2 or 3 letters.				3-letter code		cel

The setting is valid from the the time you make it, and it doesn't change anything in the project. Finally, ou can delete or add letters to the individual component.

A LITTLE MORE ABOUT PLCS IN AUTOMATION

We made a fair amount of PLC functions in ver23, mostly new symbols and also new functions that fit to the new symbols, one of which is symbol grouping of reference symbols.

When you place a PLC

From ver24, left click on a reference symbol – *the main rule* – means that you get the symbol groups.

If you right click on a reference symbol – *the exception* – you select a single symbol.



How to distribute the adresses

When you place the PLC, we often place the ref-symbol first.

In ver24, you have a few extra option, that you find in the PLC menu.



Balanced

In ver23 ref.symbols are placed as 'Balanced':

That means, that you have a max of 8 adresses pr column (our standard). If a component only has ie 2 or 4 addresses, it may look 'uneven'.

🗗 Multiplace PLC setup		×
Addresses pr column		
• Balanced and can use up to	○ Forced and will use	
	sses pr column	
	ОК	

- K7		- K8	- K9
+11 Al	-l1 2	+R1 1 AI	+R1 1 2 AI -R1 3 -R1 3
+12 Al	-12 6	+R2 2 Al	HP2 5 AI - R2 7 - RL2 8
		+ R3 3 Al	
		+R4 4 Al	
		++5 5 Al	-
		H6 6 Al	
		+ R7 7 Al	
		+R8 8	

Forced to use

In ver24, you get the option to force the ref.symbols to have a fixed size, and in this way the ref.symbols above will look like this instead:

Multiplace PLC setup	×
Addresses pr column	
O Balanced and can use up to	Forced and will use
8 Addresse	s pr column
	ОК

- K4	-K5	- K6
+11 1 Al - 11 2	+ R1 1 AI	+R1 1 +R2 1 2 AI −R1 3 -R1 4
+12 5 Al -12 6	+R2 2 Al	+R2 5 AI +R12 6 AI -R2 7 -R12 8
	+R3 3 Al	
	+R4 4 Al	
	+ R5 5 Al	
	+ R6 66	
	+ R7 7 Al	
	+R8 8 Al	

A little more about the new settings

Balanced and may use up to xx addresses

The program tries to distribute the addresses in the columns that Top/Bottom allows. You adjust the number of addresses by using the slider.

Forced to use xx addresses per columns

All columns have the number of set addresses. If there are fewer addresses in the component, than selected, the space is filled out with Empty symbols.

If Top/Bottom symbols are missing

The addresses are distributed according to last setting.

PLC with alternatives - Change to another alternative

From ver23 it has been easy to create PLCs with alternative settings per address.

It has been easy to choose an alternativ, but difficult to change it later.

For that reason, we have made a new functiton in ver24, which allows you to change to another alternative.

You find the function in your right click menu, and you simply enter the same grid, as you did when you first selected. Be aware that any placed IO symbols are deleted, ifn they are changed to another alternative.



	Digital	Analog		
X0	O			
X1				
X2		\sim		
X3		\sim		
X4				
X5				
X6				
X7				
Тор				



Creating PLCs in the database

In ver23, the PLC reference symbols could only be combined in a few ways and max 32 adresses per symbol. From ver24 the user can decide more, as long as the rules described below are followed.

Start by selecting a number of channels/	Compo 1. Start cre Ref ID K	ating 2. I	d // Database Basic componer control unit (el	e='BM24.mdb' Table It data 3. PLC ectric signal processing	= 'Com 4. PLC	ponents' Manut 5. Mechanic t without human i	facturer= cal symbo interventi	='PCSCHEMATIC' I 6. Other diagr on for control of de	Manufacturer's ram symbols :vices)	article number: 7. Accessories	8. External files	9. Other fields How to create a database In this tab you see structure of the PL	10. Finish
addresses.		Variants	Channels	IO Status		IO Status Type						no of channels. In the rows below how those channel	you select
	[1a]	1	16	Input	\sim	Digital	\sim	Remove series	Add series			distributed. The channels can b	e .
	[1b]	1	8	Input	\sim	Analog	~	Remove series	Add series			distributed in fixed kinds – note, that t Component Wizard	or variable the makes
	[1c]	1	16	Input	~	Digital	~	Remove series	Add series			small 'boxes' aroun section – fixed and	d every options.
	[1d]	1	16	Output	~	Digital	~	Remove series	Add series			channels you must the same total num	end up with aber of
	[1e]	1	8	Output	~	Analog	~	Remove series	Add series			channels as above.	·
			Add op	bition								Channels is in most synonym for Addre can also mean plug channels. The final addresses is select following page.	cases a sses, but it is or number of ed on the
												Here you select wh channels are Input Other (e.g. IO-link, combination of the	ether the s, Outputs,) or a se.
												IO statustype You can create cha an IO status type, digital, analog, or r	annels with either none.
	Path to C:\PC	PLC-Director	'y ion24\PCAutom	ation\Symbols\PLC\				🕑 Inc	dude subfolders			Variants If e.g. an analog in connected in differ type the number of here, as it influence	put can be ent ways, f variants es the
	Previous					Mode = Ec	dit				Next	selection of IO-sym	ibois. The

The width of ref.symbols is defined by the Top and Bottom symbols

When you creaste a PLC, there *must* be a set of Top/Bottom symbols, that defines the width of the grouped ref.symbol:

Top/Bottom = 1 column Top2/Bottom2= 2 columns Top3/Bottom3= 3 columns Top4/Bottom4= 4 columns Top and Bottom must fit together, ie top2 fits with bottom2.

The component is created to have more ref. symbols

When you create your PLC, you can choose to have separate ref. symbols, ie one symbol for DI, DO, AI, AO etc.

If you do so, you have to control yourself how many addresses of each type that fits to the different tops and bottoms.

The rules for grouping of ref. symbols are The sequence of TOPs decides the sequence of ref. symbols. The program looks for fitting BOTTOMS. That means: Top2 fits with – and needs – Bottom2 If the sequence is Top1; Top3; Top1; Bottom3; Bottom1; Bottom1 the result will be in the same sequence as the Top-symbols. If the symbols dont fit, the Next button is not active.

Here we have the sequence Top3, Top2, Top3. The Bottom symbols sequence doesn't influence anything, but the symbols must be there.

The bottom symbols have connections that can be used, alternatively you may select an extra symbol for ie power supply or communication.

Start creating	2. Basic componen	nt data 3. PLC	4. PLC 5	Mechanical symbol	6. Other diagram symbols	7. Accessories	8. External files	9. Other fields	10. Fir
ption 1 Other nosen symbols # PLC-Ref- PLC-Ref-bit	symbols	t	t= PLC	Ref-top3	السمين المراجع ا	PLC-Ref-bottom3	0	Diagram symbo PLC In these tabs - IO Reference symbols select the PLC sym You have one tab part that you spec previous tab, so th find each part of th symbols. Each PLC consists of two sub for IO-data and or ref.symbols. PLC Data Here you type the addresses per chai (default = 1). Whe more than one add	Is for the data and :- you bols. for each for each at you ca e PLC an other -tab -tabs, on e for number of nnel m you hav irress per
Add symbol subname	Delete	Сору	State		×			channel, Subname automatically appli differentiate betwi- channels. The number of com address must be ty the Component With this to find the righ Type connection nu- default address for load the prior automatically filled button and the prior automatically filled button and the prior automatically filled button, the component Witare Symbol button, the Component Witare symbol button, the Component Witare symbol button, the Component Witare automatical To symbol match according to number of channel and connections pa	is ed to een nections ard uses ard uses ard uses are and the sometim type in the sometim type in the w. sometim type in the w. sometim type in the w. sometim type in the sometim type in the solution type in type in the solution type in t

Requirements to the reference symbols

If you want to create your own symbols that can be used and grouped in the same way as ours, there are some rules, that must be followed:

All symbols must have the same height. That goes for

- In
- Out
- Top
- Bottom
- Empty
- Ref.symbols for two addresses have 2 x height

The width of ref. in/out/empty must be multiplicable to the width of the different Tops and Bottoms.

For top-symbols:

- The filename must contain 'REF-TOP'
- The symbol must NOT contain connection points

For bottom-symbols

- The filename must contain 'REF-BOTTOM'
- The symbol MUST contain at least 1 connection point
- Connection points must not have I/O status

And the symbol must – of course – be created with the right connection point settings as for all plc symbols!

If you are unfamiliar with those, you can try to open the symbols and check their settings.

Info from Support: PLC's and other components in the Component Portal

Almost all components on the portal have been created by using the Component Wizard. This means that a user has the same tools for creating components as we do, and thus can have the same uniform result when creating own components.

When a component is created by using the Component Wizard, there is a code in the database field cwcode. For most components, the code consists of a single letter, but for PLCs, you get a lot of information, that is meant to be used byt the CW if the component needs to be edited.

And ... unfortunately, we deleted a lot of those, when we uploaded the components to the portal. We have added a lot of those again, but you might get this messageif you try to edit/copy it:

v24	
4	There is no PLC data in CwCode. It is uncertain whether the PLC can be loaded from usrDiagramSymbols and usrDiagramPindata. Do you wish to try?
	<u>Y</u> es <u>N</u> o

What should you do?

First, simply press the Yes button, and most times everything is ok.

If not, simply fetch the component once again on the Portal, and then you are 'back to start'.

We would be happy if you let us know, soon you can send a message about this directly from the Portal.

CHECK YOUR DATABASE COMPONENTS

One of the purpose with the Component Portal is, that it makes it possible to fetch one component at a time.

Options for component portal import

imported from the portal.

DescriptDK

RefIDCustom

Fields that will not be imported/overwritten when components are

(Note that fields with the prefix usr will never be overwritten)

We are doing our best when we create the components, but we do have faults and mishasps, and for that reason it should also be easy to update the downloaded components.

From ver24, you get an option in the Components menu to update your downloaded Portal components

Basically, we update all pcsdata fields, among them all descriptions.

It is possible, thought, to deselect update of selected fields; maybe you want to maintain the German description yourself.

In the picture, the RefIdCustom is also deselected, as you may use it for your own reference letters.

Specify which fields should be Will be imported DescriptPT DescriptP1	imported/overwritten Will NOT be i DescriptDK	imported Ok
DescriptSE DescriptTR DescriptTR DescriptUS Weight BuiltInDepth	>> <	2011

PLC Components Window Tools Help Component Database... D Find Article... В Find Type... v Update from Component Database... Insert in Component Database Shift+Ctrl+D رځ Project component database ... 😼 Component Wizard W Remap project components to database ... Import components from portal... I Update components from portal... Component portal settings Generate portal offline token Import from V22 database ۲

×

<u>O</u>k

...

REMEMBER

We don't change any of your fields. Not the usr-fields, and not the fields created by you.

THE COMPONENT MENU – ERRORS ARE GROUPED

The Component menu is linked to the database, and it also shows when the database and the project contains different data about the components.

In the last version, we showed that some components had errors, in this version we can show the different error types individually.



- 1. ComponentIDs on symbols in the component do not match:
 - a. Article numbers on the symbols are the same, but ...
 - b. If you have fetched the component from the portal AND you have imported it from your old database, too, this can occur.
 - c. We know and can control the components that we had created for the old database, but not the components created by customers, is Rockwell PLCs.
 - d. Solution: All symbols in the same component MUST have the same ComponenID. Use the Object Lister to find them and then replace them!
- 2. Article numbers on symbols in component do not match
 - a. Here you have errors in Component grouping
 - b. Different article numbers are grouped to one component, typiocally the main component and the auxilliary component has been grouped together as one component. It also creates errors in the parts list.
 - c. Solution: In Component Grouping (F7) you give each component its own component group.
- 3. Component ID missing
 - a. Components are not in the database. Same as the 'white box'.
- 4. User defined symbol
 - a. The component has symbols from both sets; pcs and usr. If the symbols are the same, we need to clean it up soon!
 - b. If you have added 'user defined symbols' that are unknown to the component in the database, you can also see it here.

THE 'GENERATE PROJECT FROM OPTIONS' MODULE

We have made a few extra functions in the Options module, that you can read more about below.

The module makes it possible to generate a project based on deselecting options, that are defined by means of reference designations.

Beside, you can see a picture from our pcsMotordemo3, that illustrates that also small projects can contain a lot of (as in too many) rds-codes.

At the bottom of the window, you see the various options for tidying up after generating a new project.

🗗 Generate proje	t with selected options				-		×
Reference designatio	ns Overview symbol						
Set visibility on functio	n, location and product aspects in the entire project.					(
Function aspect			Description				
SYS0			Multi door system				
SYS0.1			System 1				
SYS0.2			System 2				
SYS0.3			System 3				
			-				
Location aspect			Description				
1.1			Inside building - Control panel positio	n			
1.10.2			Motor position				
1.10.1			External control inside				
2.1			Outside building - Door 1				
1.10.3			End stop - fully open				
1.10.4			End stop - fully closed				
1.20.2			Motor position				
1.20.1			External control inside				
2.2			Outside building - Door 2				
2 1.20.3			End stop - fully open				
1.20.4			End stop - fully closed				
2 1.30.2			Motor position				
2 1.30.1			External control inside				
2.3			Outside building - Door 3				
2 1.30.3			End stop - fully open				
1.30.4			End stop - fully closed				

Product aspect			Description				
🔽 UC1			Main panel				
UC2			External control 1				
UC3			External control 2				
UC4			External control 3				
UC5			External control 4				
UC6			External control 5				
UC7			External control 6				
Quick select	 Set unreferenced cable symbols invisible Set unreferenced signal symbols invisible Update lists 	Remain Rema Remain Remain R	ove pages with no symbols te invisible symbols all symbols to layer 1	✓ Remove	e invisible lines pagenumbers Generate	Ck	ose

The new functions are:

- The option to delete invisible line, in the diagrams and on the mechanical pages
- Left-overs' of mounting correct bends are convertes to straight or angled lines
- Page number may be updated automatically as part of the generation
- Dividers may be deleted as part of the generation, also when they have a rds-code



Unreferenced cable symbols (unreferenced cable conductors)	You can set reference between conductors in a cable. If it is active on the individual conductor, but without reference, the cable symbol and its conductors become invisible.
	Refenced cable conductors are used when you want to show 'both ends' of a cable: to let the program understand that it is the same conductor and not new one, you make references between the two sets of the same conductor.
Unreferenced signal symbols	Signals, that don't continue to another page.
Delete invisible lines/symbols/pages	When you deselect an option, it is made invisible. The invisible objects, including full pages, can be deleted.
Update page numbers	You get holes in page numbers after deleting options, therefore you can choose to update the page numbers.

IMPORT SETTINGS

Text/Symbol defaults

You can load a set	P Settings						×
of text/Symbol defaults that changes all texts in a project into another font and	Text/Symbol defaults	Text defaults Free Symbol Connection Reference Line All	All Transfer all All Load all de Save all ter Use project of	l text settings to the project efault text settings xt settings as default default text settings when placir	Not free f Custom text Load cus Save cus	exts data tom text data tom text data	
color.		Load custom text data $\leftarrow \rightarrow \lor \uparrow \stackrel{\bullet}{=} « P($	Automation24 > PCAuto	omation > Lists > FormatFiles	✓ C Search	FormatFiles	× م
The function has		Organize 🔻 New folder				≣ .	
been available in		> Optagelser		Name	Date modified	Туре	Sia
the last couple of version, but it is			25	Gi	02-11-2023 13:18	TXTSET File	
		▲ Downloads	*				
You can load a file and save your		 Documents Pictures 	ام م				
project's settings into	a file.	Videos	*				
		File <u>n</u> ame:	Arial				~
					<u> </u>	pen Ca	ancel

Import user settings

In 'the old days', we saw that many customers copied their pcscad.ini-files to each other, because they thought they contained all settings.

It didn't and it doesn't! Instead we have made the function

made the function Import/Export user settings in the System/License settings,

This function makes it possible to import different settings from another user, and from ver24, it is also possible to import 'all of Peter's settings'.

The first tab has been changed: We have maintained the different sections,

	efined data			
	n the group			
	a lists	Exported files found (0)		
OFor	mat files		\sim	
	Quick setup. (Nothing to copy)	Overwrite files at destination (0)		
Cus	tom text data. (Nothing to copy)	over white hies at destination (o)		
🔾 Scri	pts		× .	Import
OMo	dules. (Nothing to copy)			
O Aut	o text file			
OTex	t translator			
Select	the groups you want to import ALL data fro r data	m		
🕑 Use				
🕑 Use	dule data			
Use	dule data : menues			
Use Mod Pick	Jule data : menues gram settings (PCSCAD.ini)			Import
 ✓ Use ✓ Mod ✓ Pick ○ Pro 	Jule data : menues gram settings (PCSCAD.ini)			Import

allowing a flexible import, and the option to import everything in one operation.

USER DEFINED SYMBOL DATAFIELDS

As a user, you can create your own symbol datafields that allow you to store different data in the project.

When you create them, you can – for many years – create a list of values for the field. The list is general and can be used everywhere you use the datafield.

There has been a wish to have default values that were related to a specific symbol and not to the datafield itself: As an example, you could have different settings depending on sensor type: temperature, pressure, humidity etc.

Having a list ensures that you use the same units/sizes everywhere – and with correct spelling

If you have a list already, this new list will override the old list.

Datafield			-		×
Data type User defined data field: S	etting			<u>O</u> k	:
O System Data	User	name	~	<u>C</u> ano	cel
O Project Data	Proje	ct number	\sim		
O Page Data	Draw	ing no.	\sim		
💿 Symbol Data Field	Settin	ng	~		
◯ Line Data Field	Rout	ingClass	\sim		
◯ Table of Contents	Draw	ing no.	\sim		
O Parts/Components Li	Nam	e	\sim		
◯ Terminals List	T.nar	ne	~		
○ Cables List	Cb.n	ame	\sim		
○ PLC List	PLC	name	\sim		
○ Connections list	Signa	al	\sim		
		 From component From symbol Symbol else compon 	ient		
Activate next Wr	ap text	t 🗌 Keep line break	(^)		
Only show Pre-text on	data	Fill character			
Pre-text:		💷 Line length			
ore-text:		E Line length			

NEWS ON THE COMPONENT PORTAL

New components and manufacturers are continuously added to the portal. And most of them come on the basis of requests from customers. Creation of components for the Portal is contained in the Maintenance Agreement.

We are continuously working on improving the user experience, and there are more things going on and more on the way.

- Pressing the icon in the program now opens All Manufacturers window
 - If you press the icon in the Panelbuilder, you only see components with Panelbuilderdata
- When you enter a specific manufacturer, you can search for RDS-code and DBcode: here ABB, Q, 2250 and Panelbuilder.

✓ Components by manufacturer × + ↔ → ♂ II components.pcschematic.com	/Components/ByManufacturer/32c4	a7c7-71c7-40d4-b220-7be58670c382				¢	- 0
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	Q.	୍	Q.	Q Q	Q. 2250	Category T	
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•	GHE3291102R0006	ESB24-40.220V	ESB24-40-230AC/DC Installation Contactor	Q	2250	Panel Builder	
Go to top †							
	Delectro						

- Soon, it becomes possible to request new components directly on the portal
 - We make a form in which you can type Manufacturer, Type/Article numer, Description and link to a datasheet
- Iin the same way, we make a form in which you can report errors on individual components
- The window will show a fixed maximum of components per page
- You can select all components on the page with one click and add to the basket
- The basket can contain the same amount of components, as you see on the page

From 2024: Access to the Component Portal requires a valid MA

If you meet this message on the Component Portal, it simply means that you don't have access to it.

Access to the Component Portal has been free, since the launch more than two years ago. From 2024, we require that you have a valid Maintenance Agreement to access the Portal.

VARIOUS SMALL FUNCTIONS ...

More fields in the Component Database

Our pcsComponents database contains extra fields, or rather three of the previously invisible pcssys fields have become visible:

- One for usrPBData (pcsSys6)
- One for the component's width (X) (pcsSys1)
- One for the component's height (Y) (pcsSys2)

The depth (Z) is already in the BuildInDepth.

All measurements are in meter!!

Measurements can be used for export to label printers. When you export a label for ie a terminal row, it is important to include the width of separators.

Subdrawing – models

The database button is no longer hidden: when you create models, you want to add article numbers on components. Earliner, you could only open the database with a right-clik; now you have a button. It becomes active, when you are in a type or article number field:

Variables						-		\times
	Model not selected	Motor 1.1 kW	Motor 2.2 kW	Motor 3.3 kW	Motor 4.4 kW		Q	k
Variable 1: S.Arti	/@1	PCS600001	PCS600002	PCS600003			Can	rel
Variable2: S.Arti	/@2	PCS2250001	PCS2250001	PCS2250002				
Variable3: S.Arti	/@3	PCS2250101	PCS2250101	PCS2250102			Add m	nodel
							Expo	ort
							Impo	ort
							Datab	base

More manufacturers are added

When you update to ver24, you get a message about (a lot of) new manufacturers. The manufacturer table is updated automatically with new manufacturers, if/when you get their components from the Portal.

The Automation Service Program

When you open the database record for a component, you see the same datafields as the Automation user. This means that the show/hide option follows the database and not the program.

Page setup

We have moved som page setting to *page setup* – previously they were valid for all pages of the same kind, now they are only valid for the selected page(s).

Crossing lines

The option to show crossing lines with gap or arc, has up to now been a project setting, valid for all pages. From ver24, you can change the project default (from Pointer/ Screen) for each page, also for a template.

	Paper size	Page function		
Page setup	User defined	Normal	Normal snap	Fine snap
Page remarks	Paper size		2,500mm	0,500mm
	420mm 🗸 X 297mm	Page type	Grid	10,000mm
	 Standard size 	 Diagram 	Follow page sca	ale
	Paper size A3 420mm x 297mm Vertical format	Ground plan/Mechanical		
	Size Norm ISO A0-A4	○ Isometric		
	ISO, A3, 420mm x 297mm	🔿 Semi isometric	Scale factor 1:	Reading dire
	Contains a list			
			😵 😭	¢۵
			Page star	ndard
	Page representation of crossin No gap	g non-connected conducting lines With gap Gap with	arc 🔿 Standa	ard

Page snap and grid

Page snap and grid is also a page setting, so that you can have different settings in the same project, ie different module sizes for different panel types.

r uge data	Paper size	Page function			
Page setup	Oller defined	Page function	Normal snap		Fine snap
Page remarks	Paper size	Normal	6,000mm	-	96,000mm
	420mm ∨ X 297mm ∨	Page type		Grid	192,000mm
	 Standard size 	🔿 Diagram	Follow pa	ge sca	le
	Paper size A3 420mm x 297mm ∨ ◯ Vertical format	Ground plan/Mechanical			
	Size Norm ISO A0-A4 v) Isometric	Carla fa star 1		Deadline diment
	ISO, A3, 420mm x 297mm	Semi isometric	10 ~		1
	Contains a list		4	P 🛛	¢
	Page representation of crossing r	Ion-connected conducting lines	Pag	ge stan	ndard

Insert Potentials – with middle position

The function has been expanded to include a fixed middle position.

Its setup is done similarly to the the top and bottom setups: Setups for the different page sizes and signal names.

A0	A1	A2	A3	A4	Signals	<u>O</u> k
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0.0 mm	•••	ndividual	setup of signal svr	mbols	• • 380.01	mm Apply

You also insert the potentials in the same way.

If you have a list, you see the list values before you place them, exactly like before.

Insert Potential			×
Upper potential Signal name	Number Level	Count up from selected	Insert Cancel
Middle potential Signal name PE	Number Level	×	Upper Middle
Lower potential Signal name OVDC	Number Level	~	
☑ With Reference		Reference Text	
			Settings

Automatic renumbering of pages

When you copy a page, the inserted page is numbered as DIA(xx) - in all previous versions. Also when you have selected 'Automatic renumbering ...' in Project data.

When you copy and paste a single page, it automatically gets the next page number, if selected.

Accordingly, (mostly) list pages are also renumbered if updating the list means that it has fewer pages.

Project data			
r roject data	Project title:		
	Remarks:		▲ Logo1 Logo2
	Passwords		
	At Open		PC SCHEMAT
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	Project number		
	Customer name		
	Address		
	Postal code		
	City		
	Telephone no.		
	Company www		
	Automatic renumbering of pag	es	
	Reference cross	Revision	Reference designations
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	0		

'Printed copy' on prints

We have created a new project datafield that can be inserted in drawing header or where you want to see which Printed copy you have.

It is a supplementary to Printed date.

Data type : Printed copy O System Data User name • Project Data Printed copy • Page Data Drawing no. • Symbol Data Field Segregation	<u>o</u>	
System Data User name Project Data Printed copy Page Data Drawing no. Symbol Data Field Segregation		
Project Data Printed copy Page Data Drawing no. Symbol Data Field Segregation Segregation	<u>C</u> an	cel
O Page Data Drawing no. O Symbol Data Field Segregation		
Symbol Data Field Segregation		
O Line Date Field Deutie Class		
○ Table of Contents Drawing no. ✓		
O Parts/Components Li: Name		
⊖ Terminals List T.name ∨		
○ Cables List Cb.name ✓		
O PLC List PLC name		
○ Connections list Signal ✓		

Replace symbol

When you replace a symbol with states with another synbol with states, you can now keep the state.

The state is defined as a number, eg state 2. The description (AC) has no influence on the replace function.

Replace Symbol					×
Current Symbol C:\PCS\PCAutomation24\F	PCAutomation\Sy Name: Type: Article: Function: Connections: I/O Status: Reference: Symbol type:	mbols (M Value V V V V V	isc\PCSmulti. Position	SYM Visibility V V	<u>O</u> k <u>C</u> ancel
New Symbol C:\PCS\PCAutomation24\F AC N 7 0 Select	PCAutomation\Sy Name: Type: Article: Function: Connections: I/O Status: Reference: Symbol type:	mbols W Value	isc\PCSmulti2 Position	2.SYM Visibility	State:2

More columns in Object Lister

On the Pages tab, we have added the 'In Table of Contents' check.

On the Symbols tab, we have added the 'Full reference designation' check.

List setup

All lists are in columns – some lists only have one column ...

Copy line with name

Lines with names can be renumbered, and a line's new name follows the existing, ie Line001 -> Line002, Line101 -> Line102.

The Pickmenu

Lines in the Pickmenu can also contain RoutingClass.

Panelrouter: Output to wire cutting machines

On the Komax Zeta 633 tab (a customer's Komax), the setup is changed to look into the database; previously it looked for settings in an Excel file.

The same method is used for – and has always been – for the export to the CadCable format.

Seneral Cor	mponents	Trays	Wires Cables	Jump	oers Wire ma	arking Cable mar	king Komax	Zeta 633	CadCabe	el						
Komax Zeta iunde Fegning	633 output	Select te	ext on wire + From To (To () Fro) Wi	om or To re number	Termin Tyli Use v	ation er virenumber as	O Koresvøb endless tex) t						Ę	x 2
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Tegning_		992	-Q3:21 -X2:4	-<											7	4
Tegning_		470	-Q3:21 -Q1:21	-(Select Kon	nax Zeta 633 dat	tabase fields								7	4
Tegning_		947	-F1:95 -X2:1	-F	Wire dir	mension				Dimens	ion and Color				7	4
Tegning_		896	-F1:3 -Q1:4	-F	WireDi	mension_mm		· · · · · · · · · · · · · · · · · · ·	-	WireDi	mAndColor		~		7	4
Tegning_		736	-F1:3 -Q3:4	-F	Text for	nt .				Cable te	ermination fer	rule			7	4
Tegning_		988	-Q2:5 -X1:W	-0	TextHe	iaht mm div 1	n			WireTer	mFerrule	Turc	~			
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Tegning_		787	-F1:97 -X2:14	-F	Scripter					- and the	.g				7	4
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Teanina		691	-03:64I-X2:18	-									;		7	4

Barcodes on parts and component lists

It is possible to have a barcode in a parts list, and up to and including ver23, it has been connected to the article number used in the component's symbols. This was – and is – ok, as long as the article number is a barcode.

In 'the old days' we used the eannumber (now gtin number) as



the primary article number, but today we use the Manufacturer's Article number.

From ver24, you can select which one of the component's article numbers, you want to use here. You can use the article numbers that are defined in the program.

We have chosen to – in the pcsParts3 header - map it to ManufacturersGTIN, but you can choose differently.

If you want to use another field, you should make your own symbol:

Open the (easiest method) pcsParts3 in the symbol editor. Select all barcodes, and change the mapping to the desired barcode. The barcode field must contain 13 digits to work. Save the symbol with a new name.

Default setting of Text Translator is changed

The default setting of the Text Translator is changed (only new installations), so that only relevant texts are translated.

You can still change the settings, if you prefer.

Remarks to the new settings:

FreeText

Everything is translated

Symbol

Only function and pretext are translated.

Connection point

Nothing is translated here,

Function, label and description are (mainly) used for plc's and here you would mostly update the IO-list ot translate.

Symbol definition

Everything here is deselected, as you can change state (language) on (our) page headers.

Page

We translate the page title

Project

The project title is translated.

Ref.designations and descriptions are (may be) translated by importing/updating a list in the rds-function.

Numbers and special characters are ignored.

If you have numbers in side a text, you can setup a variable for those texts.

Dictionaries	
Texts to translate	
✓ FreeText	
✓ FreeText	
Datafield Pretext	
✓ Symbol	
💹 Name	
Туре	
Article	
- Function	
Symbol datafield Fieldvalue	
Symbol datafield Pretext	
Ref. text	
Description	
 Symbol definition (includes page headers) 	
Symbol title	
Name	
Type	
Article	
FreeText	
Symbol datafield Fieldname	
Dataneld Pretext	
Page number	
Page Title	
Page Data	
Name	
Article	
Type	
✓ Project	
Project Data	
✓ Title	
Description	
Reference designation, Description	
	1
Ignore leading/trailing numbers and special characters in tex	xts when translating
Enabled symbolnames (if enabled, export/import-features w	vill be disabled)

ALL MANUALS ARE ONLINE

And you can see this in the Help menu in the program.

You find the news document in the menu, and links to different parts of our website.

When you press F1, you open a pdf-document with links to the part of our website with

- Changelog
- News
- Manuals

Depending on the program language, you go to different websites – a national website (if any) and PCSCHEMATICs uk website.



We update our manuals, but for the latest versions they haven't been included in the program itself, unfortunately.

From now, we update the manuals and upload them to the website.

MY NOTES

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