

EPLAN Electric P8 Reference Handbook

Bearbeitet von
Bernd Gischel

2. Auflage 2011. Taschenbuch. 552 S. Paperback

ISBN 978 3 446 42674 0

Format (B x L): 19,2 x 23,1 cm

Gewicht: 1262 g

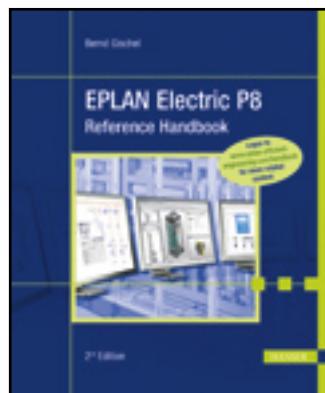
Zu [Leseprobe](#)

schnell und portofrei erhältlich bei



Die Online-Fachbuchhandlung beck-shop.de ist spezialisiert auf Fachbücher, insbesondere Recht, Steuern und Wirtschaft. Im Sortiment finden Sie alle Medien (Bücher, Zeitschriften, CDs, eBooks, etc.) aller Verlage. Ergänzt wird das Programm durch Services wie Neuerscheinungsdienst oder Zusammenstellungen von Büchern zu Sonderpreisen. Der Shop führt mehr als 8 Millionen Produkte.

HANSER



Inhaltsverzeichnis

Bernd Gischel

EPLAN Electric P8 Reference Handbook

ISBN: 978-3-446-42674-0

Weitere Informationen oder Bestellungen unter

<http://www.hanser.de/978-3-446-42674-0>

sowie im Buchhandel.

Content

Foreword and acknowledgements	11
Important notes.....	12
1 Install EPLAN Electric P8	15
1.1 Hardware	15
1.2 Installation.....	16
1.3 Important notes for Version 1.9.x users	23
1.3.1 Parallel operation with Version 1.9.x	23
2 The basics of the system	25
2.1 Five principles that apply to working with EPLAN Electric P8	25
2.2 Directory structure, storage locations.....	27
2.3 Settings – General.....	30
2.3.1 Settings – Project	30
2.3.2 Settings – User.....	41
2.3.3 Settings – Workstation	47
2.3.4 Settings – Company.....	48
2.4 EPLAN and multiple starts?	48
2.5 Properties	49
2.5.1 Project properties.....	50
2.5.2 Page properties.....	51
2.5.3 Symbol properties (components).....	52
2.5.4 Form properties.....	53
2.5.5 Plot frame properties	53
2.6 Buttons and popup menus.....	53
2.6.1 Device dialog buttons	54
2.6.2 Buttons in dialogs (configuring)	55
2.6.3 Buttons in dialogs such as filter schemes.....	55

2.6.4	Small blue triangle button.....	56
2.6.5	Property arrangements (components)	56
2.6.6	Format properties.....	57
2.6.7	Buttons (small black triangles).....	58
2.6.8	DIALOGS FOR SCHEMES	59
2.7	Master data	60
2.8	Operation.....	61
2.8.1	Using the keyboard.....	61
2.8.2	Using the mouse.....	62
2.9	The user interface – more useful information	62
2.9.1	Using workspaces.....	62
2.9.2	Dialog display.....	63

3 Projects.....67

3.1	Project types	68
3.1.1	Project types in EPLAN.....	69
3.1.2	Project types in EPLAN.....	69
3.1.3	Project templates and basic projects.....	70
3.2	Create a new project.....	72
3.2.1	A new project (from a basic project).....	72
3.2.2	A new project (with project creation wizard).....	75

4 The graphical editor (GED).....83

4.1	Page navigator	83
4.1.1	Page types	85
4.1.2	The Popup menu in the page navigator	86
4.1.3	Page navigator filter.....	101
4.2	General functions	101
4.2.1	The title bar	102
4.2.2	The status bar	102
4.3	Coordinate systems	103
4.3.1	Graphical coordinate system	103
4.3.2	Logical coordinate system	104
4.4	Grid	104
4.5	Increments, coordinate input	106
4.5.1	Increment	106
4.5.2	Coordinate input	107
4.5.3	Relative coordinate input.....	108
4.5.4	Move base point	108
4.6	Graphical editing functions.....	109
4.6.1	Graphical objects - lines, circles, rectangles.....	110

4.6.2	Trim, chamfer, stretch and more.....	111
4.6.3	Group and ungroup.....	117
4.6.4	Copy, move, delete,	118
4.6.5	Dimensioning	119
4.7	Texts.....	122
4.7.1	Normal (free) texts.....	123
4.7.2	Path function texts.....	123
4.7.3	Special texts.....	124
4.7.4	The Properties – Text dialog.....	125
4.8	Components (symbols)	129
4.8.1	Insert components (symbols).....	129
4.8.2	Properties (components) dialog – [device] tab	131
4.8.3	The Display tab.....	132
4.8.4	The Symbol/function data tab.....	135
4.8.5	The Parts tab	137
4.9	Cross-references	137
4.9.1	Contact image on component	138
4.9.2	Contact image in path	140
4.9.3	Special feature: pair cross-reference	142
4.9.4	Device selection settings	144
4.10	Macros	145
4.10.1	Types of macros	145
4.10.2	Macros with value sets	149

5	Navigators	157
5.1	Overview of possible navigators.....	158
5.1.1	Additional navigators and modules.....	160
5.2	Device navigator.....	162
5.2.1	Devices / Assign main function	164
5.2.2	Devices / Cross-reference DTs	166
5.2.3	Devices / Synchronize function texts.....	167
5.2.4	Devices / Interconnect devices	168
5.2.5	Devices / Number (offline)	175
5.2.6	Device navigator / New.....	178
5.2.7	Device navigator / New device.....	179
5.2.8	Device navigator / Place / [Representation type].....	180
5.3	Terminal strips.....	181
5.3.1	Terminal strips / Edit.....	182
5.3.2	Terminal strips / Correct.....	185
5.3.3	Terminal strips / Number terminals.....	186
5.3.4	Terminal strip navigator / New.....	190
5.3.5	Terminal strip navigator / New functions.....	190

5.3.6	Terminal strip navigator / New terminals (devices).....	192
5.3.7	Terminal strip navigator / Place / [Representation type].....	194
5.4	Plugs (Sockets).....	195
5.4.1	Plugs / Edit.....	195
5.4.2	Plugs / Correct.....	195
5.4.3	Plugs / Number pins	196
5.4.4	Plug navigator / New.....	196
5.4.5	Plug navigator / New functions.....	197
5.4.6	Plug navigator / Generate plug definition	197
5.4.7	Plug navigator / Generate pin.....	198
5.4.8	Plug navigator / Place / [Representation type].....	199
5.5	Cables	199
5.5.1	Cables / Edit.....	200
5.5.2	Cables / Number	201
5.5.3	Cables / Generate cables automatically.....	204
5.5.4	Cables / Automatic cable selection.....	206
5.5.5	Cables / Assign conductors	207
5.5.6	Cable navigator / New.....	209
5.5.7	Cable navigator / Place / [Representation type].....	209
5.5.8	Cable navigator / Number cable DT	210
5.5.9	Cable navigator / Number DT	210
5.6	PLC	211
5.6.1	PLC / Write back connection point designations	213
5.6.2	PLC - Set data types	215
5.6.3	PLC / Addresses / assignment lists.....	216
5.6.4	PLC / Address.....	218
5.6.5	PLC navigator / New.....	220
5.6.6	PLC navigator / New functions.....	220
5.6.7	PLC navigator / New device.....	222
5.6.8	PLC navigator / View.....	222
5.7	Parts / Devices / Bill of materials	223
5.7.1	Popup menu functions.....	225
5.8	Assign function (navigators)	229

6	Reports.....	231
6.1	What are reports?.....	232
6.2	Report types	233
6.3	Types of graphical reports	233
6.3.1	Report types (forms)	233
6.3.2	Special connection diagrams	247
6.4	Settings (output options)	248

6.4.1	The Display / output project setting.....	248
6.4.2	The Parts project setting	250
6.4.3	The Output to pages project setting	251
6.5	Generate reports.....	256
6.5.1	The Reports dialog	257
6.5.2	Generate reports without templates	259
6.5.3	Popup menus in the Reports tab	265
6.5.4	Generate reports with templates.....	266
6.6	Other functions	272
6.6.1	Generate project reports.....	272
6.6.2	Update	273
6.6.3	Settings for automatic updates.....	273
6.7	Labeling	274
6.7.1	Settings.....	274
6.8	Edit properties externally	280
6.8.1	Export data	282
6.8.2	Import.....	288

7 Management tasks in EPLAN **291**

7.1	Structure identifier management	291
7.1.1	Tabs in the structure identifier management.....	294
7.1.2	The graphical buttons	297
7.1.3	Sort menu	298
7.1.4	Extras menu.....	299
7.2	Message management.....	301
7.2.1	The visual appearance of message management.....	302
7.2.2	Project checks.....	303
7.2.3	Message classes and message categories	304
7.2.4	Filters in the message management.....	309
7.2.5	Various ways of editing messages	311
7.3	Layer management.....	313
7.3.1	Standard layers.....	313
7.3.2	Export and import layers	314
7.3.3	Create and delete your own layers	315
7.3.4	Uses of layers	316
7.4	Parts management.....	318
7.4.1	Structure of the parts management	321
7.4.2	Tabs in the parts management.....	321
7.5	Revision control.....	329
7.5.1	General	330
7.5.2	Generate new revision.....	330
7.5.3	Execute changes.....	331

7.5.4	Complete page(s)	335
7.5.5	Generate reports	336
7.5.6	Complete a project	337

8 Export, import, print.....339

8.1	Export and import of DXF / DWG.....340	
8.1.1	Exporting DXF and DWG files.....340	
8.1.2	Import of DXF and DWG files.....344	
8.2	Image files347	
8.2.1	Export of image files.....348	
8.2.2	Insertion of image files (import)	350
8.3	Print353	
8.3.1	The Print dialog and its options.....354	
8.3.2	Important export/print setting.....356	
8.4	Export and import of projects357	
8.4.1	Export of projects	357
8.4.2	Import of projects	357
8.5	Print attached documents358	
8.6	Import PDF comments359	
8.6.1	Import of commented PDF documents	359
8.6.2	Delete PDF comments.....362	
8.7	Generate PDF documents364	
8.7.1	Export of PDF files.....365	

9 Data backup373

9.1	Zipping and unzipping of projects373	
9.1.1	Zip projects	373
9.1.2	Unzip projects	374
9.2	Backup and restoring of projects375	
9.2.1	Back up projects.....375	
9.2.2	Restore projects.....381	
9.3	Other important settings384	
9.3.1	Default settings for project backup (global user setting)	384
9.3.2	Compress project (remove unnecessary data).....385	
9.3.3	Automated processing of a project.....387	
9.4	Backup and restoring of master data.....390	
9.4.1	Back up master data	390
9.4.2	Restore master data	392
9.4.3	Default settings for the backup of master data (user)	394
9.5	Send project by e-mail directly.....394	

10	Master data editors	397
10.1	Preparatory measures	400
10.2	Overview of forms	400
10.2.1	First option - manual overview	400
10.2.2	Second option - automatic overview	402
10.3	Forms.....	404
10.3.1	Create new form (from copy).....	407
10.3.2	Edit existing form.....	412
10.3.3	Create new form.....	413
10.4	Plot frame	414
10.4.1	Create new plot frame (from copy).....	414
10.4.2	Edit existing plot frame	416
10.4.3	Create new plot frame.....	417
11	Old EPLAN data (EPLAN 5...)	419
11.1	Import options.....	420
12	Extensions	421
12.1	EPLAN Pro Panel	421
12.1.1	EPLAN Pro Panel – what is it?.....	421
12.1.2	General.....	422
12.1.3	Toolbars in EPLAN Pro Panel.....	424
12.1.4	Menus in EPLAN Pro Panel.....	437
12.1.5	Navigators in Pro Panel	447
12.1.6	Settings for EPLAN Pro Panel	452
12.1.7	A practical example with EPLAN Pro Panel.....	454
12.2	EPLAN Data Portal	468
12.2.1	What are the advantages of the EPLAN Data Portal?.....	468
12.2.2	Before the first start.....	469
12.2.3	How the Portal works.....	472
12.3	Project options	476
12.3.1	What are project options?.....	477
12.3.2	Terminology in the Project options module	477
12.3.3	Creating options and sections	478
12.3.4	Generate options overview report.....	485
13	FAQs	487
13.1	General	487
13.2	Parts.....	517

13.3	Terminals, plugs	522
13.4	Cables	526
13.5	PLC.....	529
13.6	Properties, layers	529
13.6.1	Master data.....	534
13.7	Data exchange.....	540
13.8	Reports	541
Index	545