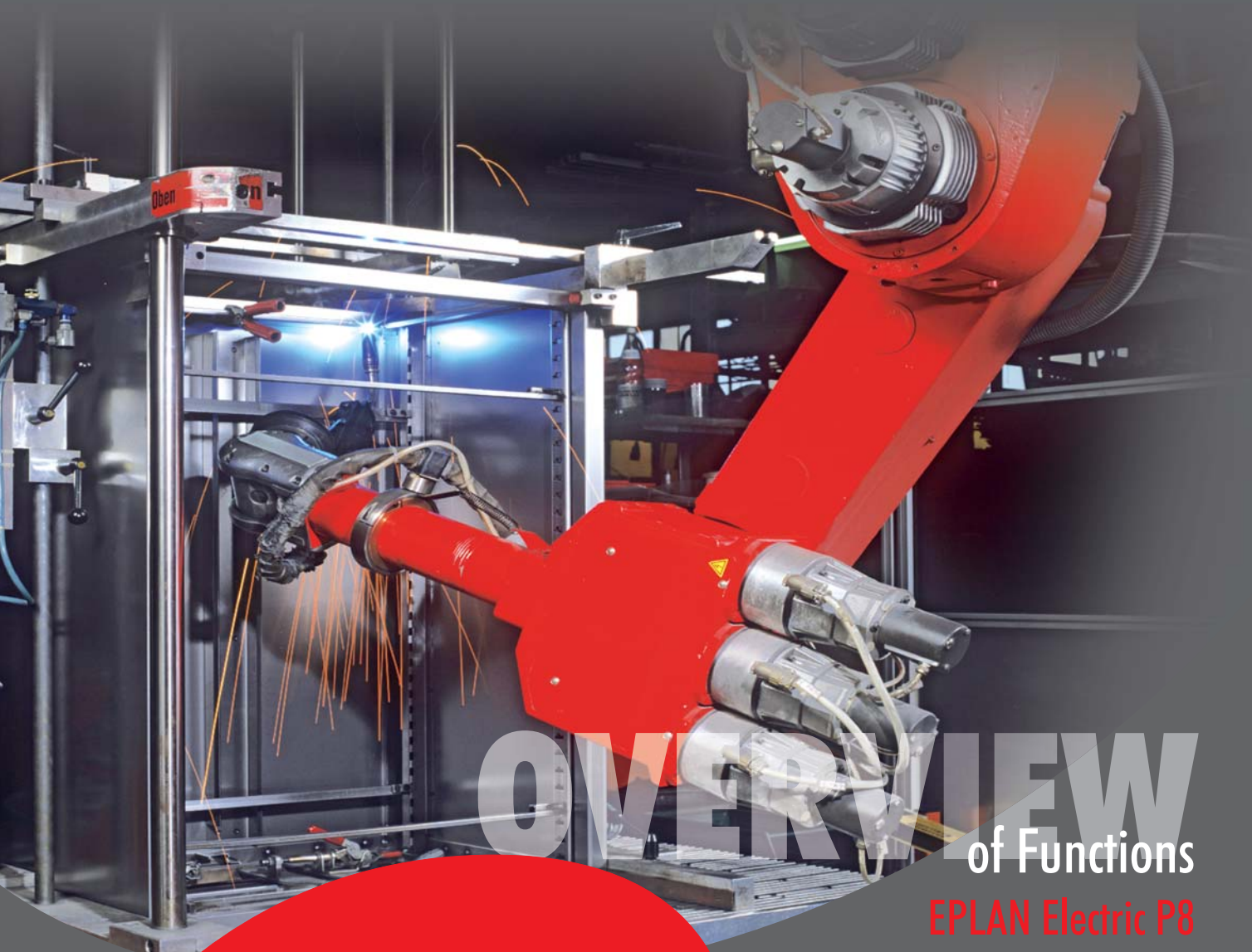


ePLAN[®]
electric P8



OVERVIEW

of Functions

EPLAN Electric P8

Compact / Select / Professional

Version 1.9

ePLAN *your e*ngineering

OVERVIEW of

Functions

	Compact	Select	Professional
Number of schematic pages	40	Unlimited	Unlimited

User interface

Windows-compliant operation	✓	✓	✓
Dockable windows	✓	✓	✓
Multiple window arrangements can be saved	✓	✓	✓
Drag & Drop	✓	✓	✓
Adaptable toolbars	✓	✓	✓
Exporting / importing of toolbars	✓	✓	✓
Configurable keyboard shortcuts	✓	✓	✓
Extendable menu structure	✓	✓	✓
Undo / Redo with action tooltip	✓	✓	✓
Undo / Redo of several steps simultaneously	✓	✓	✓
Transfer format (brush function)	✓	✓	✓
Direct editing without dialog	✓	✓	✓
Edit diagram from within reports	✓	✓	✓
Support for every language in the world	✓	✓	✓
Usage all Windows fonts	✓	✓	✓
Graphical preview	✓	✓	✓
Preview for properties	✓	✓	✓
Didactic help system	✓	✓	✓
Data exchange via XML, text format, CSV, ODBC, COM	✓	✓	✓
Integrating documents from other programs as pages	✓	✓	✓
Hyperlinks	✓	✓	✓
Integration of Microsoft Office	✓	✓	✓
Redlining with pdf	✓	✓	✓

Method

Planning start with schematic	✓	✓	✓
Planning start with bill of materials	✓	✓	✓
Function-oriented view	✓	✓	✓

Projects

Number of projects	Unlimited	Unlimited	Unlimited
Opening multiple projects	✓	✓	✓
Creating your own project templates	✓	✓	✓
Creating your own user-defined identifier structure in the project	✓	✓	✓
Storing projects on any file servers	✓	✓	✓
Project exchange via storage medium or e-mail	✓	✓	✓
Structuring projects (e.g., by customer)	✓	✓	✓
Meeting of corresponding standards ISO, EN, DIN, NFPA, IEEE, GOST	✓	✓	✓

The described functionalities are only available for certain module packages. See the Licensing Overview.

PROJECT

Management and Pages

	Compact	Select	Professional
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Project management

Project management across drives	–	Add-on	✓
Backing up, filing off, copying, managing several projects	–	Add-on	✓
Creating project lists	–	Add-on	✓
Outputting project header data	–	Add-on	✓
Block editing for project properties	–	Add-on	✓

Pages

Number of schematic pages	40	Unlimited	Unlimited
Number of symbols	Unlimited	Unlimited	Unlimited
Number of symbol libraries	Unlimited	Unlimited	Unlimited
Creating your own symbols	✓	✓	✓
Symbol logic controllable	✓	✓	✓
Update symbols in the schematic	✓	✓	✓
Eight variants per symbol	✓	✓	✓
Insert symbols via Drag & Drop	✓	✓	✓
Electrical engineering IEC/DIN symbol library	✓	✓	✓
Electrical engineering NFPA/JIC symbol library	✓	✓	✓
Open multiple pages and display as workbooks	✓	✓	✓
Design variants	✓	✓	✓
Multi-line display	✓	✓	✓
Overview display	✓	✓	✓
Black box display in the schematic	✓	✓	✓
Support for any page format	✓	✓	✓
Viewing path division with auxiliary lines	✓	✓	✓
Designating paths automatically	✓	✓	✓
Visualizing empty text boxes	✓	✓	✓
Enlarging text on screen to minimum size	✓	✓	✓
Autoconnecting (draw connection automatically)	✓	✓	✓
Pre-Connecting (connection preview)	✓	✓	✓
Smart-Connecting (rubber band function)	✓	✓	✓
Diagonal autoconnecting (rotate connections)	✓	✓	✓
Graphical grouping of symbols and graphics	✓	✓	✓
Logical grouping of machine parts	✓	✓	✓
Nesting logical groups of machine parts	✓	✓	✓
Automatic cross-reference of interruption points	✓	✓	✓
Placing contact image and designations individually anywhere	✓	✓	✓
Configurable coordinate system / grid, base point moving, relative coordinate input	✓	✓	✓
Grid and grid snap can be activated	✓	✓	✓

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PAGES and Single Line

	Compact	Select	Professional
Aligning elements horizontally and vertically	✓	✓	✓
Object snap can be activated	✓	✓	✓
Layer management	✓	✓	✓
Defining your own layers	✓	✓	✓
Scale display	✓	✓	✓
Dimensions: Linear dimension, aligned dimension, continued dimension, incremental dimension, base-line dimension, angular dimension, radius dimension	✓	✓	✓
Conversion of dimensions metric to inch	✓	✓	✓
Scaling, stretching graphics	✓	✓	✓
Putting graphic in foreground or background	✓	✓	✓
Processing bar for graphics format	✓	✓	✓
Graphic functions: Line, polyline, polygon, rectangle, circle, circle through 3 points, arc through center, arc through 3 points, sector, ellipse, spline	✓	✓	✓
Texts: Rotating by any angle, scaling, italics and bold	✓	✓	✓
Docking texts together	✓	✓	✓
Automatic path function texts	✓	✓	✓
Processing bar for text format	✓	✓	✓
Printing in color or black and white	✓	✓	✓
Importing / exporting image formats	✓	✓	✓
Importing / exporting settings for DXF / DWG	✓	✓	✓
Output as PDF with search function, navigation and links	✓	✓	✓
Entire schematic in one PDF file possible	✓	✓	✓

Single line

Single-line display	–	Add-on	✓
Automatic conversion multi-line / single-line representation	–	Add-on	✓
Displaying connections grouped	–	Add-on	✓

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	Compact	Select	Professional
Items			
Planning of multiple bus systems	✓	✓	✓
Planning of multiple PLC systems	✓	✓	✓
Managing terminals	✓	✓	✓
Managing plugs	✓	✓	✓
Managing cables	✓	✓	✓
Adding up cable types	✓	✓	✓
Generating cables automatically	✓	✓	✓
Designating items automatically, cross-referencing automatically, pre-planning without schematics	✓	✓	✓
Planning of nets	✓	✓	✓
Planning of potentials and signals with highlighting	✓	✓	✓
PLC & Bus Extension			
Cross-page PLC editing	–	Add-on	✓
Cross-page bus structure	–	Add-on	✓
Automatic PLC diagram	–	Add-on	✓
Automatic PLC card overview	–	Add-on	✓
Synchronization of PLC data with configuration systems	–	Add-on	✓
Automatic creation of schematics from PLC data	–	Add-on	✓
Mounting Panel			
Planning of mounting panels	Add-on	✓	✓
Planning start with mounting panel	Add-on	✓	✓
Graphical detail display on mounting panels	Add-on	✓	✓
Automatic display via H / W / D on mounting panels	Add-on	✓	✓
Picking list for mounting panel	Add-on	✓	✓
Cable ducts	Add-on	✓	✓
Panel layout	Add-on	✓	✓
Automatic enclosure legend	Add-on	✓	✓
Editing items			
Elements without logical report	✓	✓	✓
Page-independent navigation in the project	✓	✓	✓
Parts management with technical data	✓	✓	✓
Parts management with sales data	✓	✓	✓
Connecting parts management externally	✓	✓	✓
Definition of assemblies	✓	✓	✓
Definition of modules	✓	✓	✓
Definition of accessory parts	✓	✓	✓
Varied graphical representation of parts	✓	✓	✓
Parts selection with automatic prefilter	✓	✓	✓



ITEMS

Interfacing

Concurrent Engineering

	Compact	Select	Professional
Planning of parts included in delivery	✓	✓	✓
Pre-definition of devices	✓	✓	✓
Wiring devices without schematic	✓	✓	✓
Checking schematic for logical inconsistencies	✓	✓	✓
Finding unused devices	✓	✓	✓
Finding devices without designation	✓	✓	✓
Finding incomplete devices	✓	✓	✓
Finding under-assigned devices	✓	✓	✓
Finding over-assigned devices	✓	✓	✓

Interfacing

Labeling of labels and signs	✓	✓	✓
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Concurrent Engineering

Multi-user operation in a project	–	✓	✓
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Bulk data processing

Tabular editing functions	✓	✓	✓
Editing blockwise	✓	✓	✓
Scripts	✓	✓	✓
Command line parameters	✓	✓	✓
Automatic DT designation	✓	✓	✓
Suggesting identifiers intelligently	✓	✓	✓
Suggesting connection point designations intelligently	✓	✓	✓
Automatic Cross-Reference	✓	✓	✓
Searching and editing with two independent result lists	✓	✓	✓
Jumping from search results to the page	✓	✓	✓
Editing properties externally	✓	✓	✓

API Extension

Programming interface .NET C#	–	–	Add-on
Programming interface .NET Visual Basic	–	–	Add-on
Programming interface COM C	–	–	Add-on
Programming interface COM C++	–	–	Add-on
Programming interface .NET Visual Basic	–	–	Add-on

The described functionalities are only available for certain module packages. See the Licensing Overview.

Multi-Language Translation, Assembly Reports

	Compact	Select	Professional
Change of Standard			
Wizard for automatic adaptation of projects to standards	–	Add-on	Add-on
Exchanging forms, plot frames, symbols	–	Add-on	Add-on
Changing the project structure	–	Add-on	Add-on
Changing IEC to USA Ladder	–	Add-on	Add-on
Multi-Language Translation			
Translation (Unicode)	–	Add-on	✓
Multiple use of translations	–	Add-on	✓
Integration of translation agencies	–	Add-on	✓
Automatic completion of words	–	Add-on	✓
Translate by word or sentence	–	Add-on	✓
Assembly Reports			
Automatic reports	✓	✓	✓
Online reports	✓	✓	✓
Freezing report pages	✓	✓	✓
Automatic table of contents	✓	✓	✓
Automatic title page / cover sheet	✓	✓	✓
Automatic structure identifier overview	✓	✓	✓
Automatic plot frame documentation	✓	✓	✓
Automatic form documentation	✓	✓	✓
Automatic symbol overview	✓	✓	✓
Automatic connection list	✓	✓	✓
Automatic terminal diagram	✓	✓	✓
Automatic terminal line-up diagram	✓	✓	✓
Automatic plug diagram	✓	✓	✓
Automatic cable diagram	✓	✓	✓
Automatic cable assignment diagram	✓	✓	✓
Automatic revision overview	✓	✓	✓
Graphical Reports			
Automatic terminal-connection diagram	–	–	✓
Automatic pin-connection diagram	–	–	✓
Automatic cable-connection diagram	–	–	✓
Automatic device connection diagram	–	–	✓

REPORTS

and

Administration



	Compact	Select	Professional
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Overview Reports

Automatic cable overview	–	✓	✓
Automatic plug overview	–	✓	✓
Automatic terminal strip overview	–	✓	✓
Automatic potential overview	–	✓	✓

Article Reports

Automatic parts list	✓	✓	✓
Automatic summarized parts list	✓	✓	✓
Automatic device tag list	✓	✓	✓

Administration

Number of macros (partial schematics)	Unlimited	Unlimited	Unlimited
User-structuring of macros	✓	✓	✓
Creating your own form templates	✓	✓	✓
Creating your own filter templates	✓	✓	✓
Creating your own numbering schemes	✓	✓	✓
System behavior configurable	✓	✓	✓
User-defined properties	✓	✓	✓
Central management of symbols	✓	✓	✓
Central management of forms	✓	✓	✓
Central management of plot frames	✓	✓	✓
Central management of parts	✓	✓	✓

EPLAN Project Reference

Project incoming check	–	–	Add-on
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Project Options

Managing plant options	–	–	Add-on
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Revision Management

Revision management – logging	–	Add-on	✓
Revision management – comparing	–	Add-on	✓
Conversion documents for revisions as list	–	Add-on	✓
Conversion documents for revisions as graphic	–	Add-on	✓
Write-protect revised schematics	–	Add-on	✓

User Rights Management

User management	–	Add-on	Add-on
Identification of Windows user	–	Add-on	Add-on
Controlling the menu structure	–	Add-on	Add-on

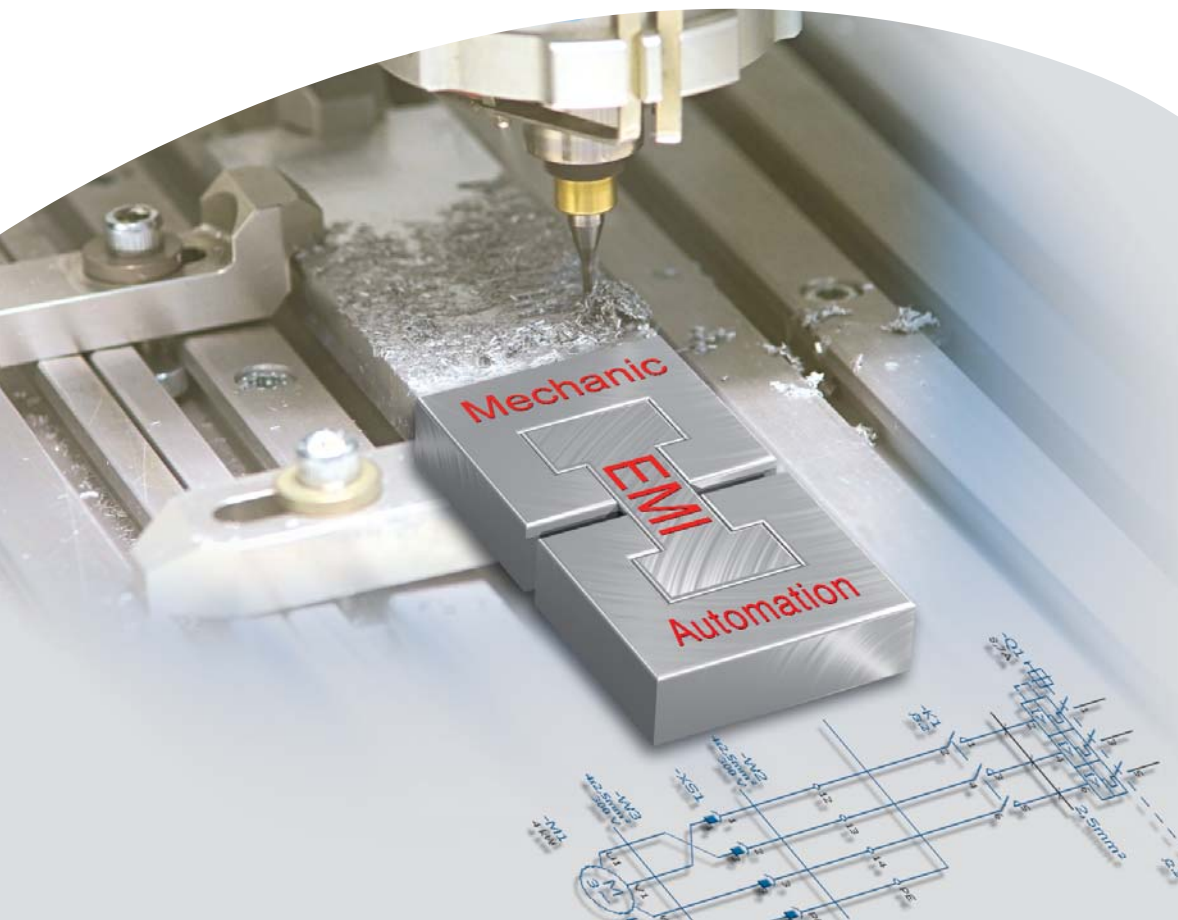
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EPLAN Add-on

EPLAN Mechatronic Integration, EPLAN Fluid, EPLAN PPE, EPLAN Schematic Generator

	Compact	Select	Professional
EPLAN Mechatronic Integration			
EMI Cabling for Autodesk Inventor	–	–	Add-on
EPLAN Fluid			
Drawing fluid charts for hydraulics, pneumatics, cooling, lubrication	–	Add-on	Add-on
Fluid power IEC/DIN symbol library	–	Add-on	Add-on
Link to Festo product catalog	–	Add-on	Add-on
EPLAN Fluid Compact			
	Add-on	–	–
EPLAN PPE			
E-MSR plant planning	–	Add-on	Add-on
EPLAN Schematic Generator			
Automatic schematic generator	–	–	Add-on

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LICENSING

Overview

EPLAN Electric P8

EPLAN Electric P8	Compact	Select	Professional
Schematic pages	40	Unlimited	Unlimited
Assembly Reports	✓	✓	✓
Interfacing	✓	✓	✓
Article Reports	✓	✓	✓
Mounting Panel	Add-on	✓	✓
Overview Reports		✓	✓
Concurrent Engineering		✓	✓
Project Management		Add-on	✓
PLC & Bus Extension		Add-on	✓
Single Line		Add-on	✓
Revision Management		Add-on	✓
Multi-Language Translation		Add-on	✓
Graphical Reports			✓
Change of Standard		Add-on	Add-on
User Rights Management		Add-on	Add-on
API Extension			Add-on
EPLAN Schematic Generator			Add-on
EPLAN Project Reference			Add-on
Project Options			Add-on
EMI Cabling for Autodesk Inventor			Add-on
EPLAN Fluid (Add-on)		Add-on	Add-on
EPLAN Fluid Compact (Add-on)	Add-on		
EPLAN PPE (Add-on)		Add-on	Add-on

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Errors and changes reserved.

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Internationality without limits

Overview of Functions – EPLAN Electric P8

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With 18,000 customers and 60,000 installations worldwide, the German based software provider has been demonstrating the success of consistent practice orientation with international presence for over 20 years. More than 50 sales and service centers guarantee worldwide support spanning over six continents. As a 100% Rittal subsidiary, EPLAN belongs to the Friedhelm Loh Group. EPLAN is a synonym for innovative strength, continuity, progress and investment security in this strong business group.

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