

INDUSTRIAL ELECTRICAL AND AUTOMATION DESIGN

We reserve the right to make modifications.

GENERAL FEATURES

Full Stand-alone CAD software on Windows platform	x
CAD functionality (2D and 3D)	x
Import and export of DWG, IFC, BCF, DXF, DRW, PDF and Excel files	x
Support of raster images (JPEG, TIFF, GIF, BMP, PNG) and OLE objects	x
Reference image (XRF) management	x
Labels and drawing templates	x
Versatile printing functions (queue printing, layouts, including built-in Smart PDF converter)	x
Automated drawing functions	x
Automated wiring functions	x
Automated sheet management	x
Unicode support	x
Network and workstation licenses	x

DOCUMENT TYPES

Schemas (One line diagrams, motors, loops and instrumentations, PLCs, controls, wirings, cabling, sy	x
Arrange drawings, floorplans, layouts etc., 2D/3D	x
BIM models (certificated IFC 2x3 CV2.0 MEP)	x
Load schemas	x
Cabinet layouts (Panels, junction boxes, field boxes, operating panels etc.), 2D/3D	x
External drawings and documents	x
Cable charts and connection and cable combing lists (CAD)	x
Reports and lists (circuits and loops, devices, cables, wirings, terminals, documents... differ list option:	x
Other different drawings and documents	x
External and existing drawings and documents	x

INTEGRATIONS

Data and document sharing with CADMATIC eSHARE	x
Devices and models exchange with CADMATIC 3D Plant Modeller	x
Cables exchange with CADMATIC 3D Cable Router	x
Devices and attributes exchange with CADMATIC P&ID	x
MS Excel import to Database	x

Copying data from whole or parts of the previous/template projects	x
Excel import wizard (devices, product databases)	x

GENERATING OPTIONS

Generating from MS Excel list with template drawings	x
Generating from already made moduls (databases and template projects)	x
Generating Circuit and Loop - drawings from database (database and template drawings)	x
Project specific automatic generation of lists and diagrams (CADMATIC, Excel, PDF)	x

CADMATIC ELECTRICAL FEATURES

Project-specific real-time information management, multi-user support	x
Project data interface in graphic mode, centralized management of project design data	x
Bi-directional Electrical DB Tool- information management in table view	x
Comprehensive management of product models	x
Project specific settings	x
Management and bulk editing of cables, wires, devices etc. throughout the project	x
Bulk edits of project information in database and MS Excel (renumbering etc.)	x
Versatile searching, filtering and sorting functions	x
Real-time component numbering	x
Project specific ID and customer ID management	x
Project-specific real-time connection information of cables and wirings	x
Real-time automatic cross-referencing between components throughout the project	x
Real-time wiring references throughout the project	x
Automatic definition and numbering of internal wirings of panels and junctions boxes	x
Project specific logic design (PLC), I/O management	x
Manufacturer specific product databases	x
Navigation of element instances between project tree and drawings	x
Component ID management (based on the IEC 61346 standard)	x
Intelligent cables with over 9000 cables in cable database	x
Real-time cross-references for symbols and wires	x
Intelligent placement, removal, transfer and copying of symbols	x
Generation of terminal strips from the circuit diagram	x
Search-replace functions	x
Versatile handling of drawing frames, sheets and logos	x
Comprehensive symbol libraries (circuit diagrams, substations, instrumentation, I/O)	x

User's own symbols and symbol packages	x
Page-specific bulk edits of element attributes	x
Terminal strip functions	x
Publishing customer drawings functions	x
Functionality for adding unlimited amount of information to BIM models	x
Generation of switch board schematics from arrangement drawings	x
Real-time link between switch board schematics and arrangement drawings	x
Centralized and real-time calculation of cable length, power, voltage drop, short circuit current	x
Automatic verification of cable sizes & protective devices (Arrangement drawings)	x
Dynamic positioning functions and automatic lists	x
Additional info boundary system	x
Reuse design data, switchboard schematics or main distributing one line diagrams	x
Drawing-specific information management	x
3D modelling of electrical equipment	x
Bi-directional interface with DIALux 4	x
Navigation of element instances from project tree to drawings and back	x
Drawing and editing of cable support systems (2D/3D)	x
Intelligent elevation recognition system for 3D models (HVAC, structural etc.)	x
Real-time clash detection when drawing or editing cable support systems	x
Configurable clash detection system	x
Creation and management of spatial objects (rooms)	x
Intelligent cables with over 9000 cables in cable database	x
Automatic system-specific elevation management	x
Automatic layer system and layer management	x
Automatic bill of materials (ENG, SWE, FIN, LIT, LAT, EST, RUS)	x
Automatically generated legends and description lists	x
Provision for voids (openings)	x
Functionality for symbol packages	x
Versatile and dynamic references (annotations)	x
Symbols for electrical, low-current and switchboard schematics	x
Sector and placement radius functions	x
Area and IP class boundaries	x
External references management tools	x
3D clipping tools	x

Floor management	x
Design view tool	x
Raceway features 2D/3D	x
BIM Export (sertificated IFC 2x3 CV 2.0)	x
Automatic consecutive numbering of symbols	x
Etc...	
