

EPLAN library For switch cabinet design

Good automation components no longer suffice for successful machine building and plant engineering projects. Efficient development and project planning is becoming ever more important. Bachmann electronic meets the requirements and supports its customers with two additional components in the integrated engineering process.

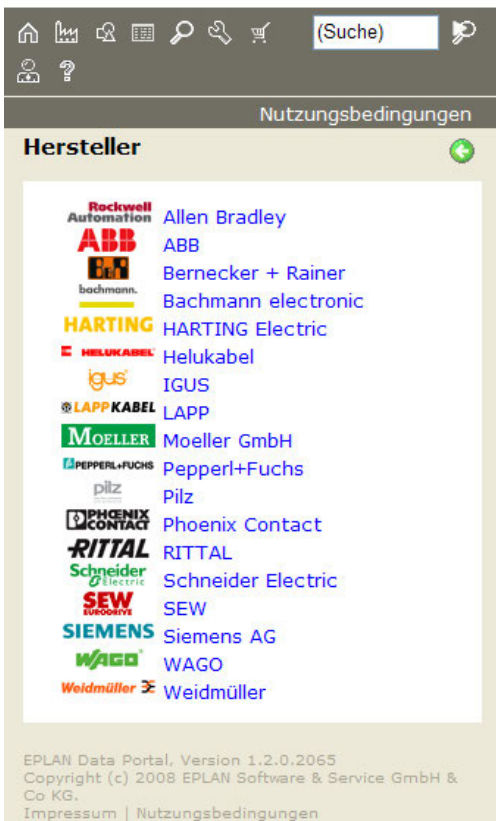
The device data necessary for electrical design of the Bachmann automation components is provided as a library in the ePLAN data portal: Macros for circuit diagram and switch cabinet layout, function templates for intelligent configuration of controllers, item data for the spare parts catalog. The data that is created and certified with EPLAN can be loaded directly into the ECAD project and immediately used for the design – a significant contribution in time savings, as well as for uniform structuring of the project.

With the new eCAD import functionality in the SolutionCenter the throughput time of automation projects can be reduced significantly. While one team plans parts lists, circuit diagrams and switch cabinet layouts, another team can create the required software in parallel. By using symbolic variables in the software, no knowledge of the hardware structure is required at this point. Only through the automatic import of the ECAD data into the SolutionCenter will a link be established between symbolic variables and the hardware used, and an operable software module is generated. Variants, extensions or corrections in ECAD project planning are not a problem – the software module is simply regenerated with the modified and newly-imported ECAD data.

The EPLAN library of Bachmann components is available via the EPLAN Data Portal (→ www.eplandataportal.com).



ePLAN[®]
data portal



EPLAN library

The EPLAN library contains device data, macros and technical documentation of all automation components: M200 hardware, visualization hardware and S1 servo system.

- Direct transfer from the portal into the electrical project planning
- Tested and assured quality through certification
- Ongoing update and extension
- Support for the entire electrical project planning – circuit diagrams, switch cabinet layouts
- Overview drawings, PLC configurations and spare part documentation
- Support for implementation of the library
- Use of design software EPLAN P8 and higher

ECAD import in the SolutionCenter

- Software is created with symbolic variables
- Linking of the symbolic variables with the hardware used through import of the ECAD data into the SolutionCenter
- An operable software module is generated
- Variants, extensions, or corrections in the ECAD project planning can be easily integrated at any time through subsequent import

