Industrial and machinery drive modules
Solutions for panel building and system integration

Your own cabinet design and assembly is simplified by the capability, simplicity and ease of use provided by ABB’s all-compatible ACS880 drive modules.

**Easy cabinet integration**
Our drive modules enable machine builders, system integrators and panel builders to build drive packages using their own cabinet designs with ABB technology. The industrial and machinery drive modules are specifically designed to fit cabinet constructions such as the Rittal TS8 and VX25 cabinet system.

Our offering includes a wide range of modules available as single- and multidrives with either air or liquid cooling. The drive modules come with a range of accessories including supply units, inverters, braking options, filters, and various I/O and communication options.

**Simplified cabinet assembly with accessories**
Installing drive modules into Rittal TS8 and VX25 cabinets is made easier with mechanical and electrical accessory kits. In addition, universal assembly kits can be purchased from ABB for use with most other cabinet types available.

It is possible to utilize free of charge on-line support site featuring detailed kit drawings and 3D models to build their own kits.

Cabinet assembly accessories help shorten engineering and assembly time as well as reducing the risk of errors.

Available materials can be downloaded by registered users from https://sites-apps.abb.com/sites/lvacdrivesengineeringsupport/content/Pages/Default.aspx. For registration, please contact your local ABB.

In addition to mechanical installation, we also provide tools for dimensioning and selecting of auxiliary electrical components.

**Dimension and assembly drawings**
Dimension drawings are available for all of ABB drives and the accessories. Ready-made drawings help reduce engineering time. The drawings are available in Adobe Acrobat, AutoCAD and in 3D formats.
A wide selection of mechanical installation kits is available. The kits are designed for assembly into Rittal TS8 and VX25 cabinets, but they can also be utilized and assembled into any type of commercial cabinet.

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**EPLAN electric P8 macros**

EPLAN P8 is widely used software for electrical engineering with most ABB drives included in the EPLAN database. Ready-made macros reduce time needed for engineering and provide additional information to the users. The macros are available for the EPLAN P8 users via the EPLAN database.

**Circuit diagrams**

We have electrical circuit diagrams available for drive modules in AutoCAD and Adobe Acrobat formats thereby making the electrical engineering easier and faster. In addition, there are sample circuit diagrams for various cabinet solutions.

**Assembling drive modules into cabinets**

Instructions for building the drive modules into the cabinet are available from ABB. While the instructions are optimized for Rittal cabinets, the same principles can be applied to other cabinet designs. The instructions give practical suggestions and guidelines on correct cabinet assembly while ensuring sufficient thermal design, correct EMC design and grounding and ease of servicing.

**Integration support for various automation system**

In addition to ABB’s automation systems we support numerous PLCs providing simple and fast integration.

**Training material for cabinet assembly of drives**

We offer a wide selection of drives training courses including dimensioning and cabinet assembly. The courses consist of e-learning modules, hands on training and lectures which can be held in either ABB Universities or on the customer’s site. The e-learning courses are available via https://new.abb.com/drives/services/training. For ABB authorized and registered partners the relevant courses are available free of charge.