

Preferred Implementation

Compact Performance

The performance in a small footprint



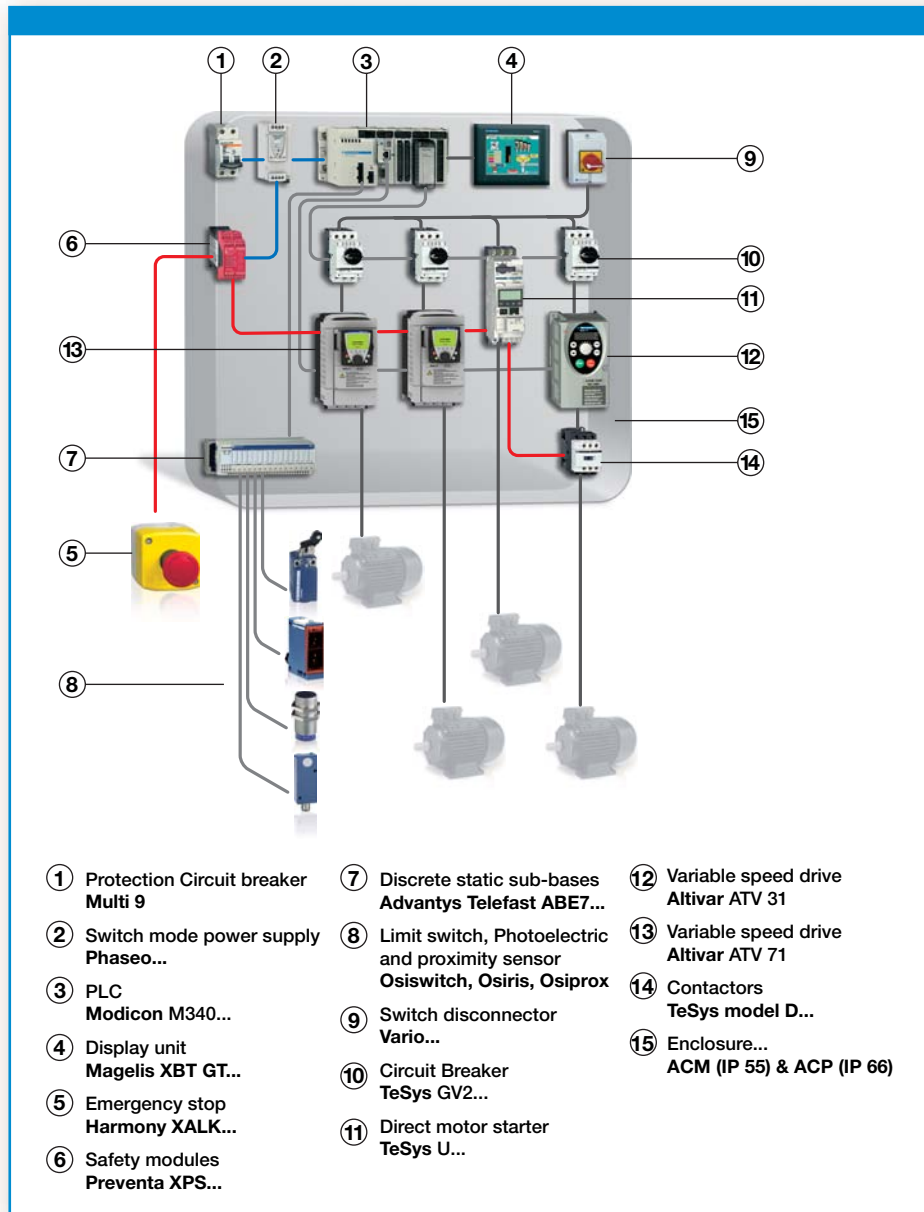
Typical applications

Industry

- Assembly machines (dosing machines, turning tables, ...)
- Food & Beverage (mixer, ...)
- Material handling (vertical carousel, ...)
- Metal working (bending machines, ...)
- Packaging (boxing, palletizers, blister machines, ...)

Building

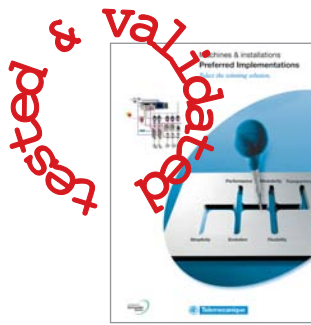
- HVAC: (Chiller cooling tower, ...)



This implementation fits to compact and complex installations requiring performance and robustness.

It combines a Modicon M340 programmable controller, Altivar 11/31/61/71 variable speed drives and a Magelis XBT GT display unit with a traditional hardwired cabling.

High level features for devices configuration and PLC programming allow the experts in automation to perform their knowledge to get the level of performance required.



Advantages

Consistency of solution

The synergy of high quality products provides a solution guaranteed by a leader in automation.

Tested, validated and documented

A complete user guide gives all the details for installing and building your application in confidence.

Compactness and easiness in the installation

The high density modules of Modicon M340 with the large choice of Advantys Telefast sub bases provide a compactness and reliable solution, and the guarantee of a connexion without error.



Productivity from the design to the maintenance

With the tools provided for this implementation, UnityPro, Vijeo designer, Powersuite, ...

The productivity is mastered along the different steps of the project life cycle.

Centralized display of diagnostic

With the Magelis XBT GT display unit, the operator visualizes the defaults of the hardware configuration of the controller and process diagnostic without programming in addition.



Remote maintenance

Remote access to this implementation is easy thanks to the embedded port TCP/IP and predefined Web pages in the controller.

Characteristics

Performance

- Controller: Modicon M340
- I/O: up to 150 I/Os
- Motor control: direct motor starter, up to 8 inverters (ATV 11/31/71)
- HMI: push-buttons and lights, graphic display
- Typical cycle time: 10-50 ms
- Safety: Preventa module or controller
- Options: Ethernet connection to upper level

Installation

- Machine type: stand alone machine or networked
- Cabling: hard-wired
- Software: Unity Pro, PowerSuite, Vijeo designer; high featured services to configure the devices with device emulation on the computer
- Program design: Unity Pro; libraries and function blocks to ease programming and reuse of program modules.
- Easy to duplicate and to save your application PLC by using flash memory

Constraint

- Installed in a cabinet to achieve higher IP level, ACM (IP 55), ACP (IP 66)

Cost

- A competitive ratio performance / cost

Size

- Compact machine or equipment < 20 m²

A platform and a dedicated team at your service

Each preferred Implementation is based on a selected platform for optimal results and updated according to the evolution of our product offer. A team of specialists can perform customized tests to validate your configuration of the Preferred Implementation.

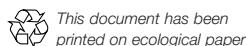


Schneider Electric Industries SAS

Head Office
89, bd Franklin Roosevelt
92506 Rueil-Malmaison Cedex
FRANCE

www.schneider-electric.com
www.telemecanique.com

As standards, specifications and designs change from time to time, please ask for confirmation of the information given in this publication.



Design: adncom.fr
Photos: Schneider Electric
Printing: