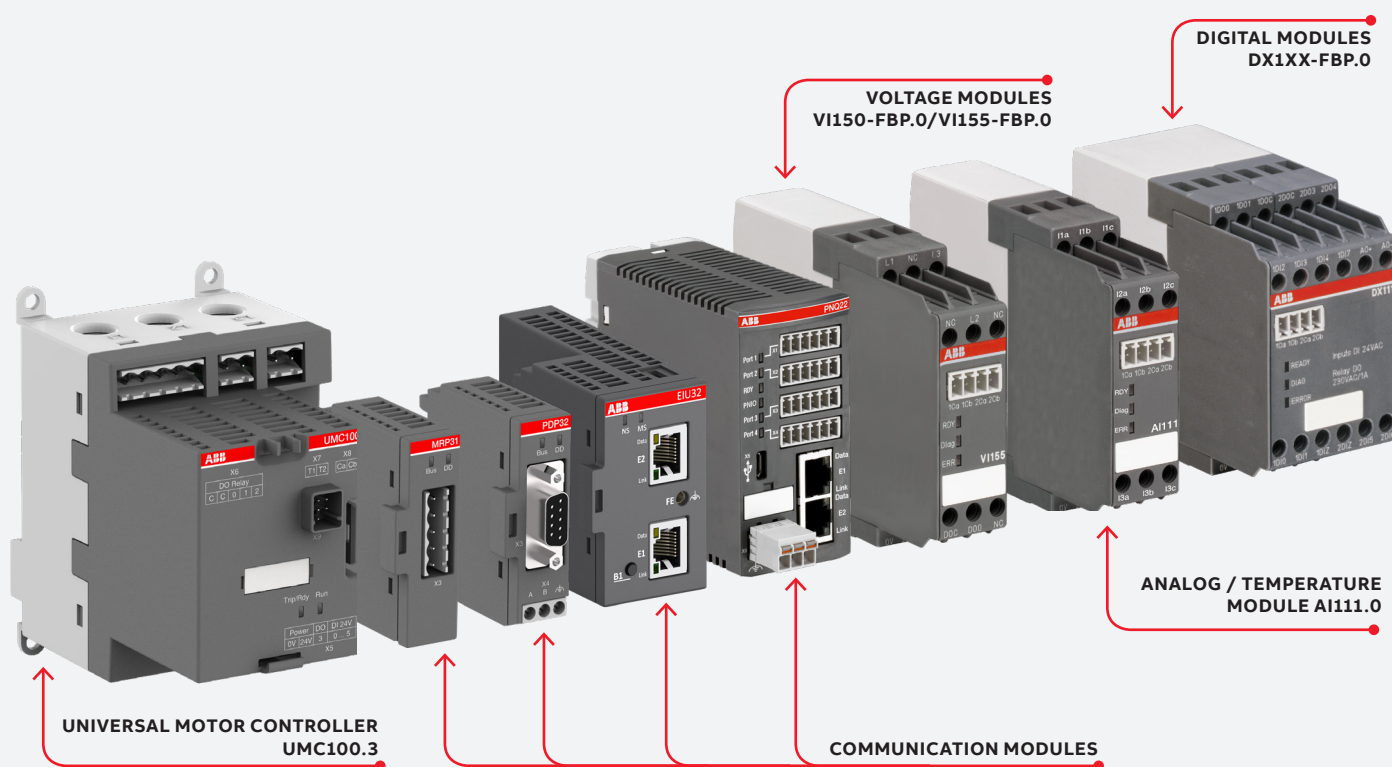


Intelligent data hub for predictive applications

Universal Motor Controller UMC100.3



The Universal Motor Controller UMC100.3 delivers all the reliability and protection you expect while driving an intelligent data hub for predictive applications, maintenance and asset management. Outstanding user experience for smooth running of your operations, paired with unrivalled communication options, simple configuration and market leading software.



The UMC100.3 Motor Controller – future ready, and ready to take motor control to the next level.

Communication modules

The UMC100.3 is compatible with more communication protocols than any other motor controller. Serial communication reduces wiring and installation and provides much more data. This allows you to have software that enables predictive maintenance and acts as an intelligent data hub. And the more data you have, the quicker you can identify errors.

Modules compatible with:



Modbus®



Expansion modules

Flexibility is assured with a wide variety of expansion modules.

- **Analog / Temperature module AI111.0**
Expand the UMC with analog and temperature inputs
- **Digital modules DX1XX-FBP.0**
Compact modules that increase the number of digital inputs and outputs
- **Voltage modules VI150-FBP.0/VI155-FBP.0**
Voltage modules for determining phase voltages, power factor, active power, apparent power, energy, harmonic content (THD)

Unparalleled Communication

Facilitate superior data availability and continuous operations by overcoming the limitations of Fieldbus systems with Ethernet communication modules. And with the capability of direct or separate mounting, a single version of the motor controller is suitable for any kind of communication.

Direct and separate mounting

The most simple way to mount a communication module directly on the UMC. Interface is powered by the UMC and the combination behaves like a motor controller with integrated communication. Especially convenient for projects using fixed installations.

The communication modules can also be mounted separately from the UMC in the cable chamber of a MCC with the help of a single mounting kit. The connection to the UMC is via a simple serial link cable. This solution has several advantages in commonly used withdrawable installations:

- avoiding droplines on the fieldbus which typically reduce the performance and baud rate
- fast replacement of a drawer due to automatic slave addressing



The Ethernet advantage

Only ABB allows mounting of communication modules outside the drawer to avoid critical high-speed communication inside the drawer. The great benefit of this solution is that no costly and error-prone connectors for the drawers are required.

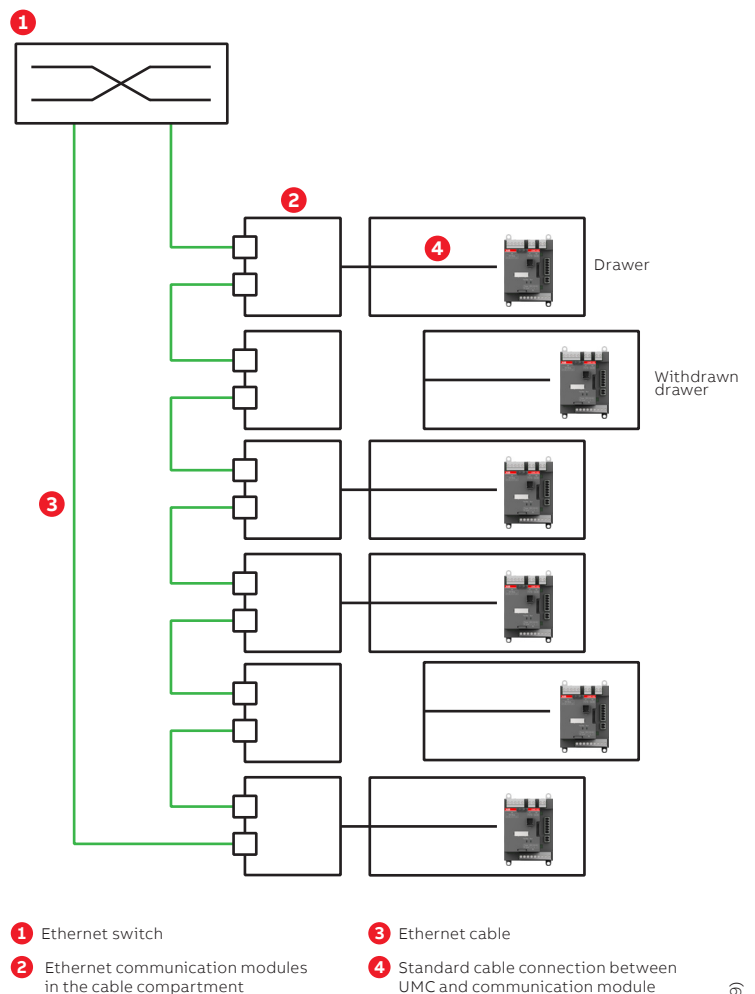


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Additional information

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