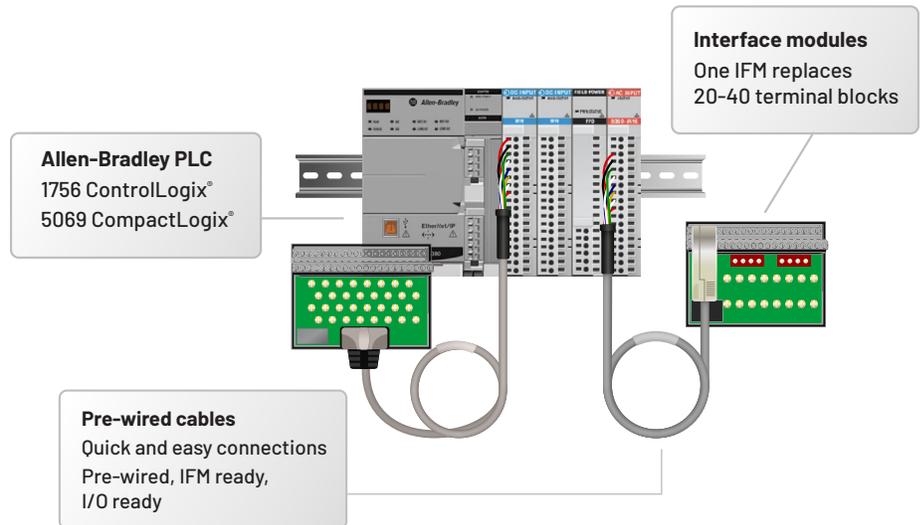# Rockwell Automation

Wiring systems

What are wiring systems?

Wiring systems significantly enhance efficiency in panel building by reducing wiring time and errors, as pre-tested cables facilitate more accurate connections and reduce the need for extensive point-to-point checks. With installation speeds up to 30 times faster than traditional wiring methods, these systema enable OEMs and panel builders to increase production and create higher volumes.

Wiring systems allow for greater design flexibility, enabling you to cut down on preparation and routing time and minimize parts and inventory needed while making sure that hardware components can effectively meet application requirements.

Interface modules
One IFM replaces
20-40 terminal blocks

Allen-Bradley PLC
1756 ControlLogix®
5069 CompactLogix®

Pre-wired cables
Quick and easy connections
Pre-wired, IFM ready,
I/O ready

How can the right system reduce wiring time and errors?

Wiring an I/O module can be a time consuming process. As more devices need to communicate, more connections need to be made. Following the traditional I/O wiring assembly process, it can take just over 46 minutes to wire and label a single I/O module. This doesn't take into account having to check for errors and effectively correct them.

Wiring and Conversion Systems from Rockwell Automation include interface modules that connect through pre-wired cables to digital and analog I/O. This design allows you to significantly reduce wiring prep and installation time while minimizing errors.

Minimize wiring time and errors

Simplify complex wiring to one cable
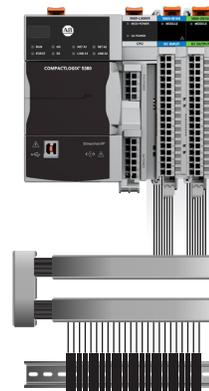
Conserve DIN-Rail space

Decrease wiring times by up to 75%.

Allen-Bradley Bulletin 1492 Wiring Systems simplify making connections between the PLC and devices, allowing less time and money to be spent wiring the system and more time benefiting from production.

1492 Wiring Sytstems

- Pre-wired cables eliminate wire prep at time of installation
- Reduces amount of space used in a panel or din rail
- LED or blown fuse indicators ease troubleshooting
- Toolless installation and removal
- Eases maintenance for end user complete wiring

Terminal Block Design

Wiring System Design