



TeSys™ island

Complete Projects Faster with the Next Generation Motor Starters



Traditional motor starters are used by system integrators to start, stop and protect motors, but they often involve complex control wiring. The new TeSys island communicating motor starters bring a new approach to design, installation and commissioning, helping system integrators complete projects faster while helping to improve the bottom line.

Benefits

Design faster

- Quickly build the starter system with simple selector
- Use pre-set starter configurations to save time
- Simplify PLC programming with function blocks

Install faster

- Replace complex control wiring with simple ribbon cable “click”
- Easily install configuration from laptop or SD card

Commission faster

- Easy interaction with built-in web browser
- Use “force” and “test” mode to simplify start-up
- View performance and adjust settings remotely

Communicate with ease

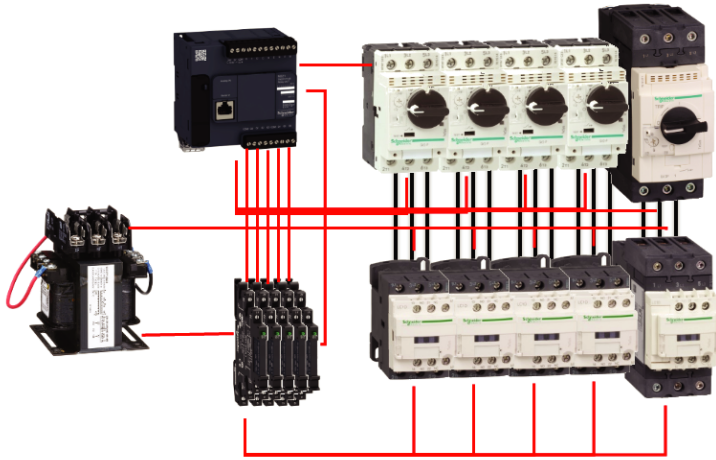
- Easy integration with popular 3rd party platforms
- Obtain voltage, energy, power and other data

Authorized Partner

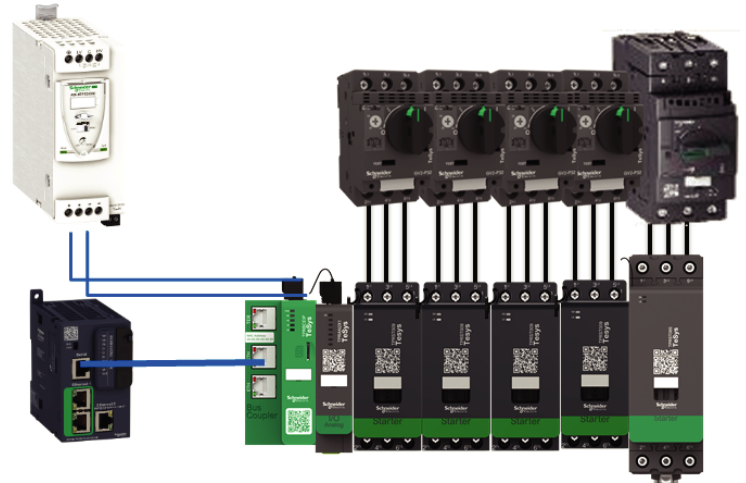


Life Is On





Traditional Motor System



TeSys island Communicating Motor Starters

How TeSys island improves upon traditional motor control

Simplified Selection

- Easy selection using Motor Control Configurator tool
- Easily add voltage, power & energy monitoring with a single interface module

Simplified Installation

- Replace PLC IO, interposing relays, auxiliary contacts with bus coupler logic
- Replace all control wiring with a single communication cable
- Connect devices with a simple ribbon cable click

Differentiate your equipment using intelligence

- Detect and resolve issues proactively before machine stoppage
- Alert operators and maintenance of issues or actions to be taken
- Provide easily accessible diagnostics for faster maintenance

Simplified Programming & Configuration

- Bus coupler performs common control operations
- Function blocks simplify PLC programming
- Copy/install configurations using bus coupler SD card

Simplified Commissioning & Test

- View status, adjust settings in programming tools
- Apply force mode in programming tools
- View status using OMT in bus coupler

Able to quickly troubleshoot

- See diagnostics of power quality, equipment usage
- Leverage alarms to store operator alarm history
- See fault history

Sell services & MRO parts

- Monitor device health, alert customers of needed replacement
- Detect indicators for when equipment needs servicing

TeSys island hardware components

Bus Coupler

Connect island to PLC

- Communicate with PLC
- Manage devices with function blocks
- Supply control power to devices

Power Interface Module

Monitor loads and control using SSR, Soft Starters, or Drives

- 3 sizes to 40 HP, 80 A
- Load monitoring
- Current monitoring

Voltage Interface Module

Voltage and power monitoring

- Monitor energy for the island
- Monitor energy for each load
- Monitor power quality

I/O Modules

Easily add digital or analog IO

- Digital: 4 IN 2 OUT
- Analog: 2 IN 1 OUT

Starters

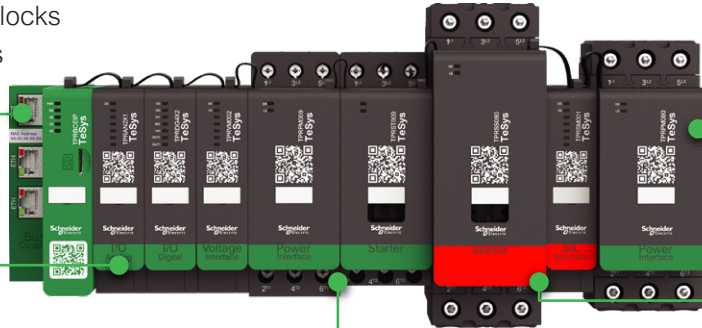
Control, protect, and monitor loads

- 5 sizes to 40 HP, 80 A
- Load switching and monitoring
- Current monitoring

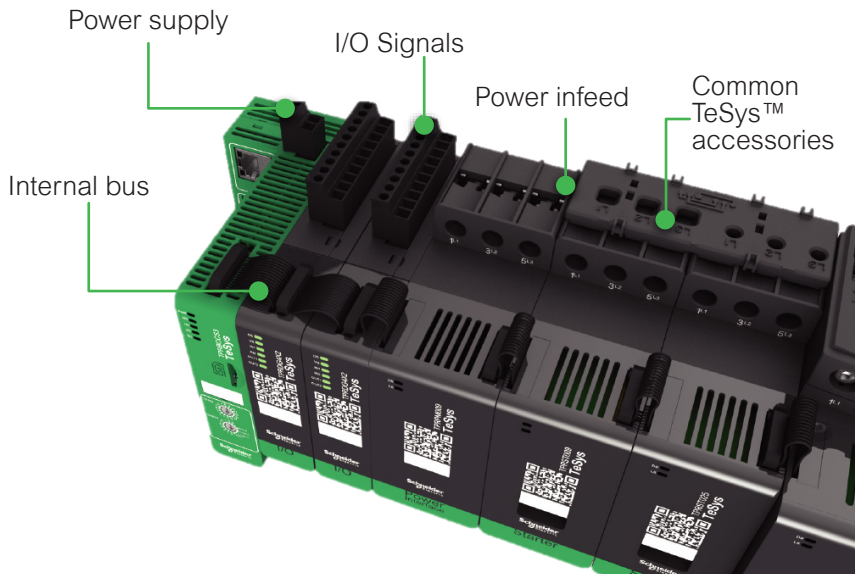
SIL Starter and Interface

Control, protect, and monitor loads for safety applications

- 5 sizes to 40 HP, 80 A
- Interface with safety PLC/relay
- Load switching and monitoring
- Current monitoring



Simplified hardware



- 22 part numbers
- “Click” control wiring
- Preconfigured settings
- Status lights
- Access documentation fast

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