



# 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

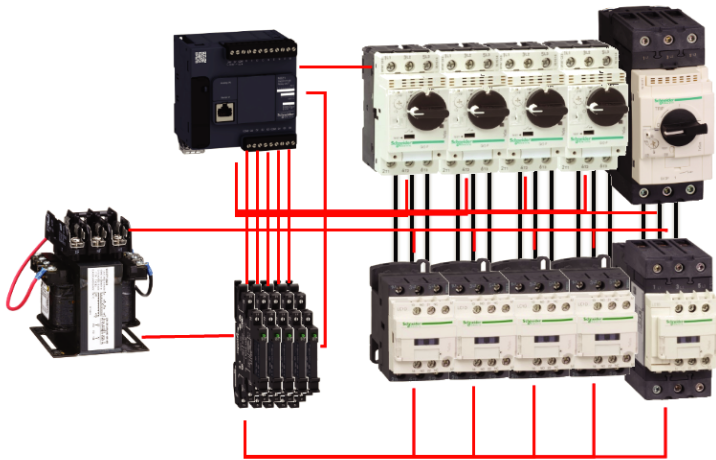
- Easy integration with popular 3rd party platforms
- Obtain voltage, energy, power and other data

Authorized Partner

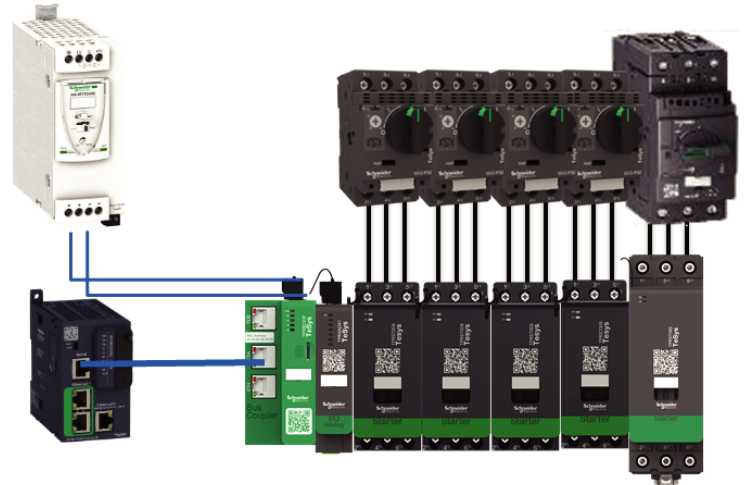


Life Is On

**Schneider**  
Electric



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

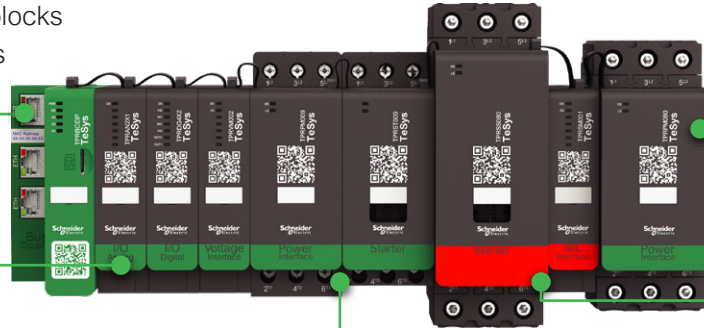
#### Control, protect, and monitor loads

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

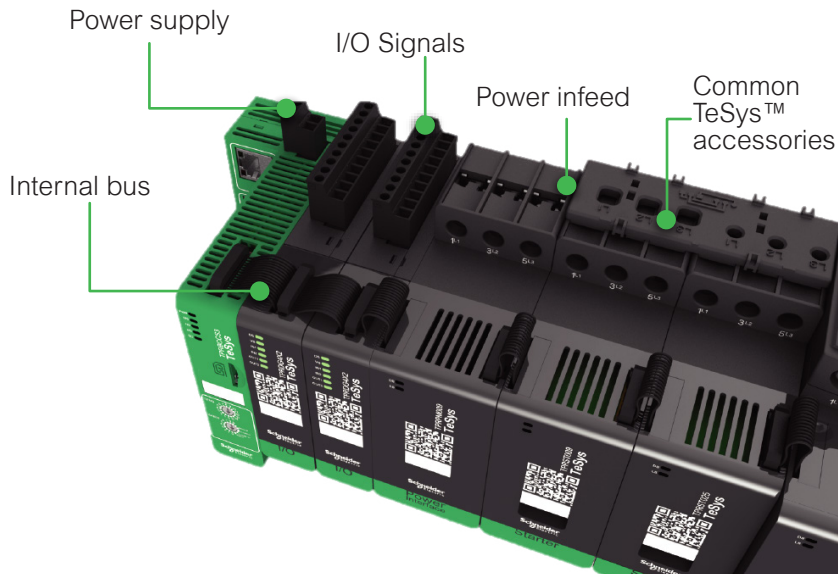
### SIL Starter and Interface

#### 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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**Mercedes Electric Supply**

<https://mercedeselectric.com>

(305) 887-5550

marketing@mercedeselectric.com

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