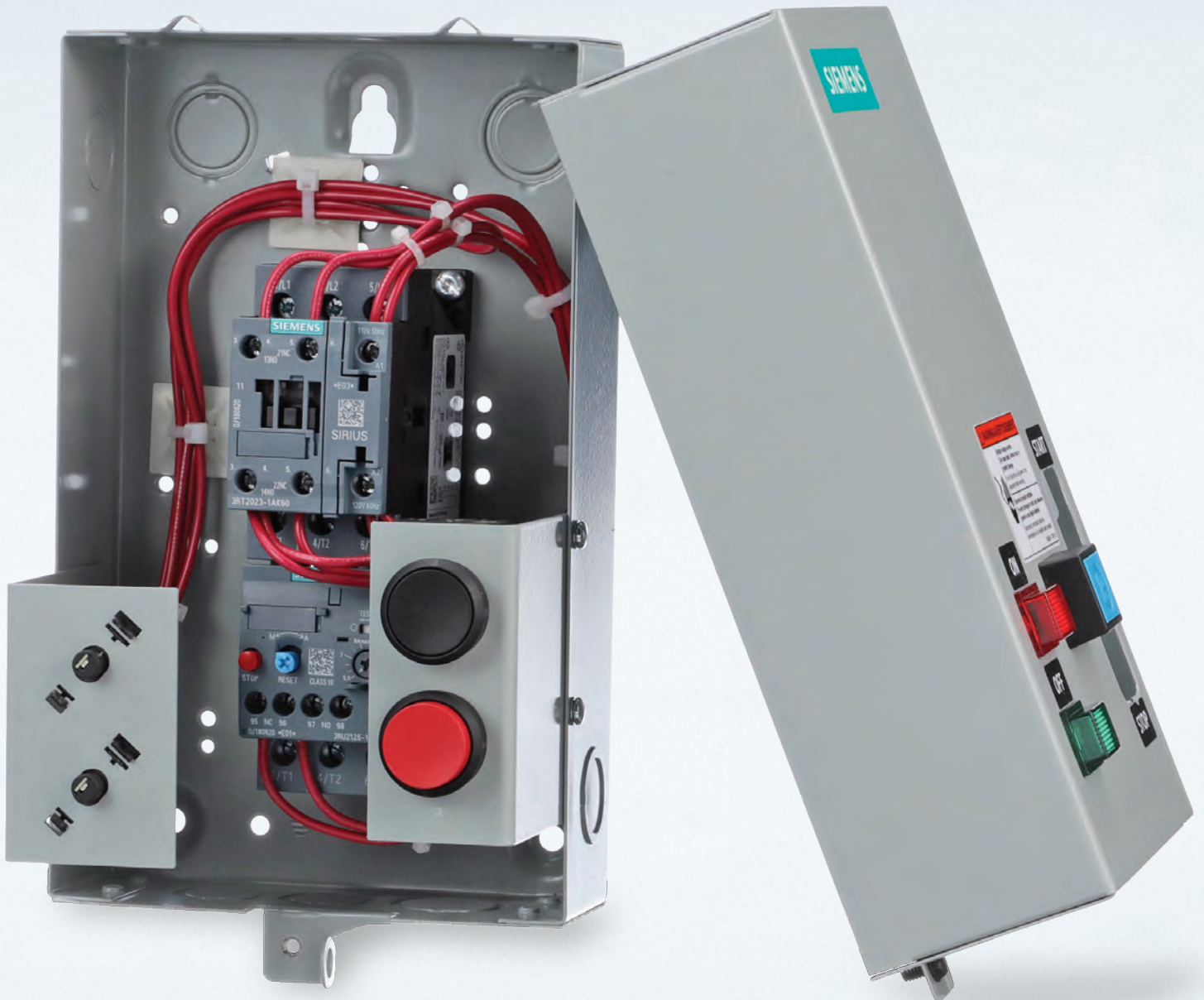


SIEMENS

Ingenuity for life



Industrial Controls – Enclosed IEC Product Line

usa.siemens.com/enclosed-iec



Siemens has developed an innovative enclosed IEC line with the very best product technology.

By placing the most advanced motor control technology “in a box,” you get a product ready to meet all your applications.

Siemens enclosed lines offer you the choice of NEMA or IEC providing the right package for any application. The new 3RE4 line of enclosed IEC includes NEMA Type 1, 3, 3R, 4, 4X and 12 enclosures with the innovative SIRIUS contactors and overload relays and SIRIUS ACT pilot devices. The starters are available with thermal or solid-state overload relays for single or three phase motors in reversing or non-reversing applications.

The SIRIUS line of solid-state overload relays are designed and calibrated to be used with IE2, IE3 and IE4 motors providing less nuisance tripping due to the high inrush capabilities. The wide range of the overload relay settings allows for

inventory reductions. Overall, the Siemens enclosed IEC line will increase your plant uptime and improve your energy efficiency.

The controllers are motor horsepower rated per UL and the enclosures are NEMA rated; as a bonus, our devices are also manufactured in accordance with environmental guidelines and contain eco-friendly and reusable materials. Constructed with genuine metal, these new enclosed switching and protection devices have been extreme-element tested to ensure reliability for your most critical operations. Bottom line, the Siemens enclosed IEC line offers the most innovative product features in an enclosure.

What sets us apart?

Advanced products – The Enclosed IEC line has been developed with the most highly-evolved and technologically-advanced product family – the SIRIUS product portfolio, “in a box.” Modular and globally accepted, SIRIUS is the most advanced line of products on the market providing you with updated technology in the familiar gray box.

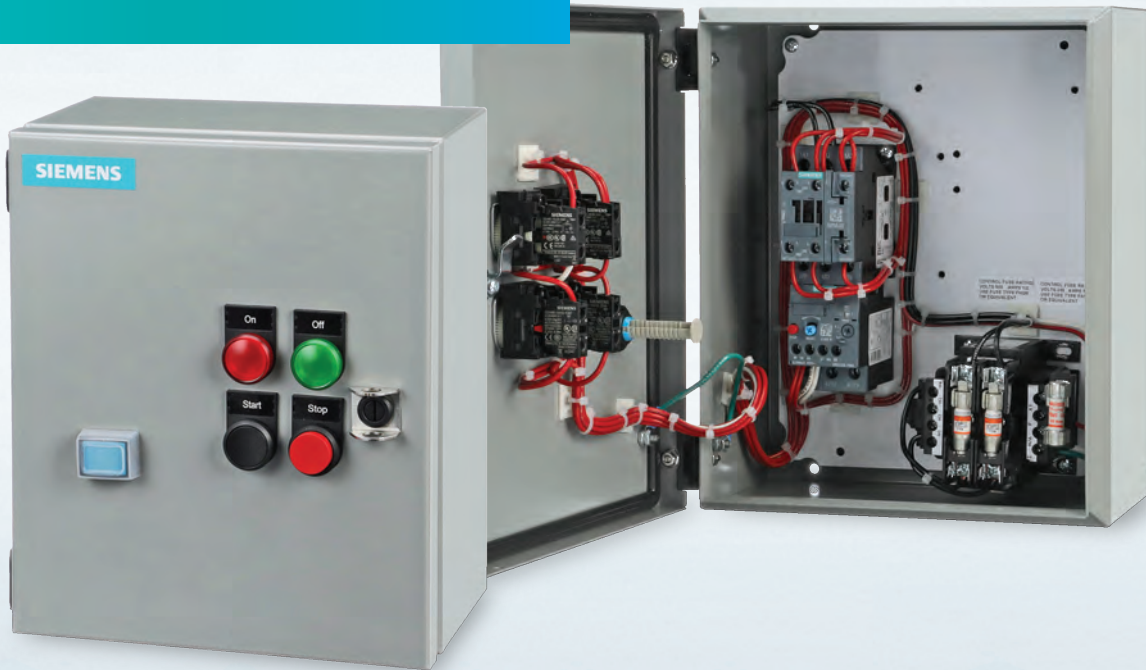
Environmentally Friendly – We go green, our devices are manufactured in accordance with environmental guidelines and contain eco-friendly and reusable materials. They comply with important worldwide standards and approvals (RoHS).

Advanced Features – Siemens newly-designed contactors and motor starters are suitable for high-efficiency motors (IE3/IE4) which help you reduce nuisance tripping, save on energy costs, reduce parts on the shelf/inventory, and increase plant up-time.

Flexibility – We provide easier ordering with quick order guides and flexible offers for a range of applications. These devices can either be modified in the factory or field to include pilot devices, CPTs, and other control components. You have the option to order the enclosed assemblies with easy to select factory modifications or add these mods on-site using our quick-to-install field kits and accessories.



Made with your application in mind



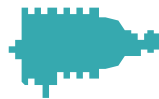
Fans



HVAC Equipment



Blowers



Compressors



Pumps



Construction Projects



Material Handling and Conveyor



Commercial and Industrial Facilities



Machine Tools

Enclosed IEC motor controls for industrial and construction applications

Durable and dependable performance. At Siemens, we know that protecting the performance of your motors is a critical priority and the best way to achieve this is with our Enclosed IEC motor controllers featuring the SIRIUS product family.

Non-combination type controller features include:

General

- UL motor horsepower-rated from fractional up to 60hp at 575v
- Starters and contactors
- Reversing and non-reversing controllers
- Single-phase and three-phase loads
- Thermal and solid-state overload relays
- NEMA type enclosures – 1, 3, 3R, 4, 4X 304 stainless steel, 12
- Standard size and large enclosures
- RoHS compliant
- Meets the standard for UL 60947-4-1

Contactors

- HP rated per UL
- High contact reliability
- NO and NC aux contacts as standard
- Secured to mounting panel with screws
- Screw type terminal connections



Thermal Overload Relays

- Trip Class 10
- UL for single and three-phase
- Manual and Automatic RESET
- NC trip contact and NO alarm contact
- TEST function
- STOP function



Solid State Overload Relays

- Selectable Class 5, 10, 20 and 30
- Overload, phase failure and unbalance protection
- Internal ground fault detection (selectable)
- NC trip contact and NO alarm contact
- Manual and automatic RESET
- Electrical remote RESET integrated
- TEST function and self-monitoring



Factory Modifications and Field Kits

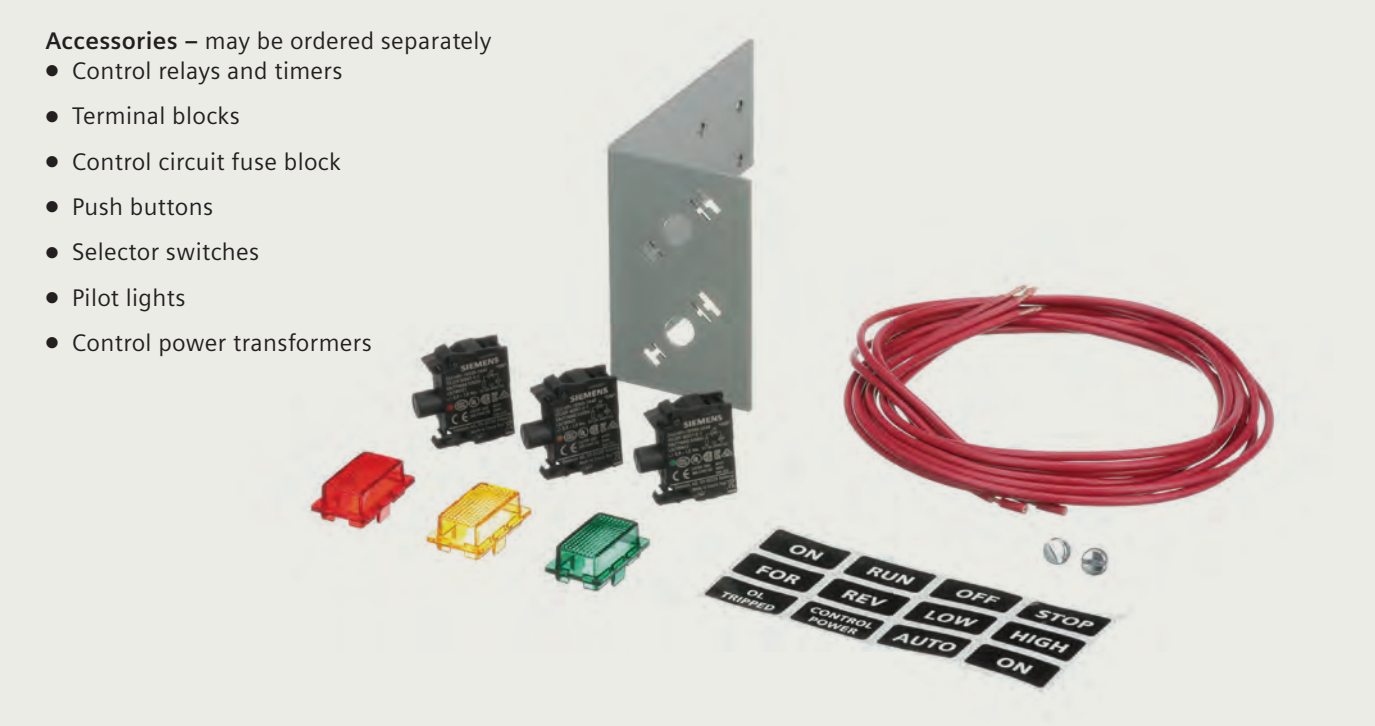
Controllers may be ordered with factory-installed optional accessories including:

- Push buttons
- Selector switches
- Pilot lights
- Control power transformers



Accessories – may be ordered separately

- Control relays and timers
- Terminal blocks
- Control circuit fuse block
- Push buttons
- Selector switches
- Pilot lights
- Control power transformers



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