

Life Is On



TeSys D Green – electronically controlled coil
for a more sustainable motor control





Contents

➤ What makes TeSys D Green so green?

➤ Seamless integration into processes for improved performance and availability

➤ A closer look at the TeSys D range

➤ Industrial end user: go green for your business and the planet

➤ OEM: streamline your architectures with just 3 product references by rating

➤ When you choose TeSys D Green by Schneider Electric, you get much more than a contactor!



Enhance your environmental strategy with TeSys D Green

Sustainable and reliable motor control solutions



In our collective journey to save the earth's resources, every step counts. We're all looking for ways to enhance our corporate social responsibility efforts, including environmental performance.

Concrete energy efficiency measures will advance your efforts to meet specific sustainability targets. Schneider Electric, the world leader in motor control solutions, offers a proven and comprehensive range of TeSys "green" products and systems. That makes us a single-source provider of motor controls, allowing OEMs to increase machine efficiency while meeting their customers' demands for greater machine productivity, reduced machine downtime, and improved maintenance decision-making. You can trust TeSys contactors, circuit breakers, relays, and switches for unmatched reliability and complete compatibility with international standards. You can count on Schneider Electric to provide robust support for all your motor control needs.

Recent game-changing products from Schneider Electric include TeSys D Green contactors, which are more sustainable and efficient than electro-mechanical contactors, thanks to an innovative electronic coil that reduces energy use by as much as 80 percent when the contactor is sealed.

Schneider Electric is committed to providing you with solutions that are good for the environment, support your corporate-driven green strategies, and contribute to your business success.



What makes TeSys D Green so green?





Highly competitive coil consumption

Small changes can generate big savings. The new TeSys D Green contactor is equipped with an innovative electronic coil. These electronic-coil contactors require **up to 80% less energy** than electro-mechanical contactors. This innovation results in concrete value: for example, large plants can noticeably reduce their energy bills.

Available in 

- 09-12-18 A
- 25-32-38 A
- 40-50-65-80 A

Green Premium ecoLabel

Schneider Electric's Green Premium ecoLabel gives you peace of mind that implementation of your company's environmental strategy will be efficiently and reliably supported. With Green Premium, customers get the assurance that the product is designed and manufactured responsibly and complies with the strictest industry standards.

TeSys D Green has earned Schneider's Green Premium™ ecoLabel based on the following factors:

- Eco-design
- RoHS compliance filing
- REACH assessment: SVHC (substances of very high concern) content
- PEP (product environmental profile) based on full life-cycle assessment
- EoLI (end-of-life instructions) available

Easy access to all of the product's environmental and recycling information is available.



> [To learn more about Green Premium ecoLabel](#)





The performance benefits of TeSys D Green

When implemented with other Schneider Electric products*, TeSys D Green contactors are part of a comprehensive solution that is ideal for all types of industrial machines and processes.



TeSys Solink + PLC

SoLink ensures the compatibility of circuit breaker and contactor assemblies with screw clamp terminals to the RJ45 connection system. It also can be used with the TeSys D Green BBE offer.

With SoLink, we provide prewired motor starters ready to be connected to PLC I/O, which saves you time and labor.



TeSys LR9D

By combining a TeSys D Green contactor with our new TeSys LR9D electronic overload relay, you will have less heat generation, and further reduce energy consumption.



> If you can not see this 3D animation correctly, please click [here!](#)

*such as PLC I/O type M580, M340, M221 or M241 or extended I/O type STB range, or in association with electronic overload relays LR9D or TeSys T.

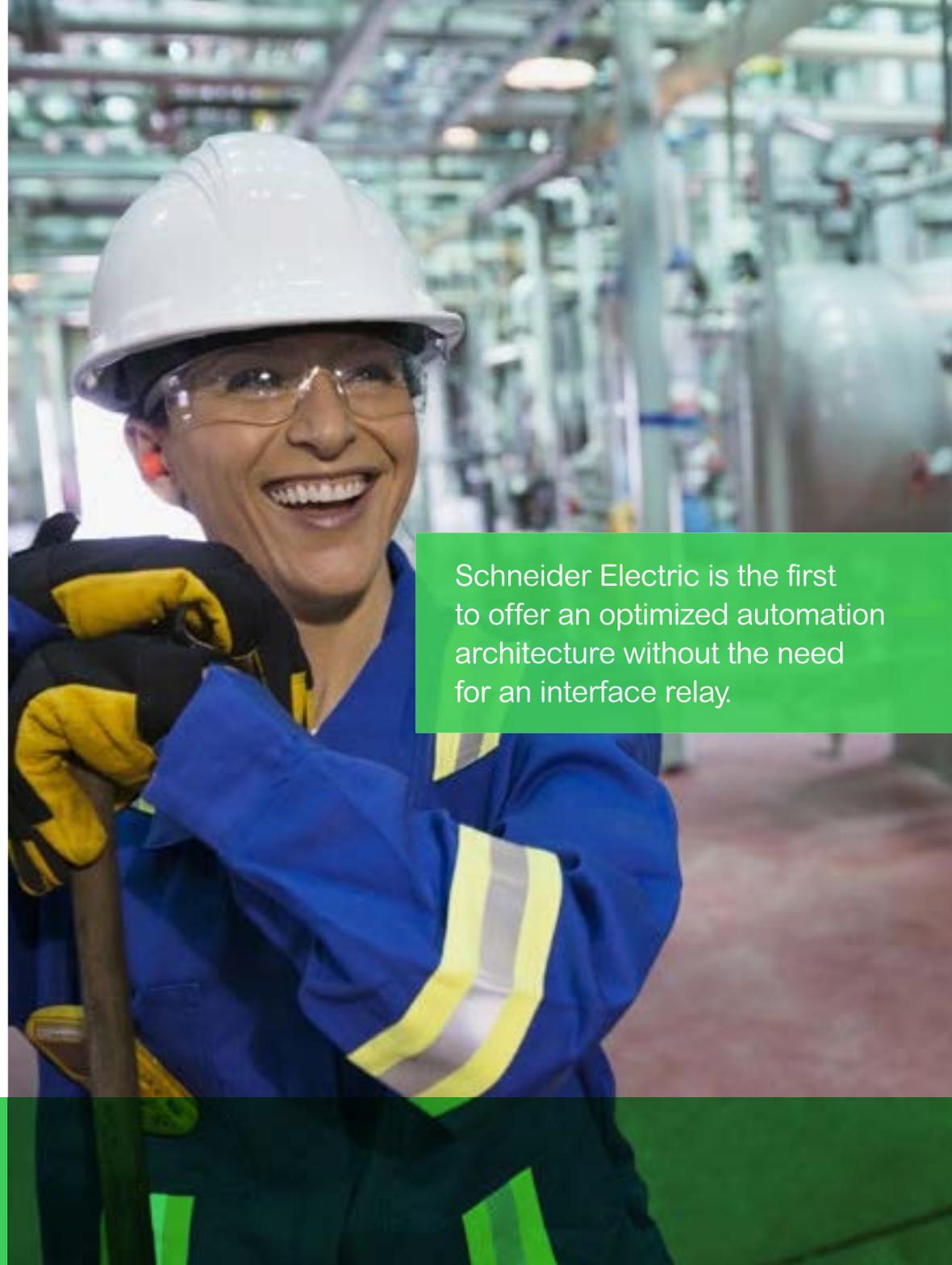


Easy ordering and inventory management

With TeSys D Green, Schneider Electric reduced the number of product references by a factor of ten. Now, with just three product references per rating covering control voltages from 24 V to 250 V in AC or DC, ordering and managing inventory is easy.

Higher uptime

TeSys D Green's wide band coil keeps processes up and running. Higher resistance to voltage surges and grid disruptions provide higher uptime, and conforms with SEMIF47.



Schneider Electric is the first to offer an optimized automation architecture without the need for an interface relay.

Space saving

TeSys D Green was designed to take up less space in machines and electrical cabinets. For example, with TeSys D Green, coverage is extended to 80 A with references ending in BBE (compatible with 24 V DC direct control PLC I/O 500 mA without interface relay).



Compatible with current TeSys accessories

TeSys D Green integrates seamlessly with TeSys D accessories and with the TeSys GV and LR product lines.





+ 5 major advantages

Low control current

+ Reduced permanent energy consumption in operation

1.1 W coil from 9 A to 38 A, contributing to better machine energy efficiency.

Low control current

+ Direct PLC control for contactors up to 80 A

TeSys D Green contactors can be driven by a common 24 V DC/500 mA static output.

Coil current permanent monitoring/control

+ Reduced contact bounce

from mechanical shock and vibration, due to monitored coil current.

+ Constant closing/opening time

regardless of voltage fluctuation, for reliable repetitive actuation.

Keep TeSys D standard dimensions/terminal assignment

+ 1 TeSys D Green can replace many “standard” contactors as a spare, when maintenance is needed, with better global performance.



A closer look at the TeSys D range

TeSys D conventional contactors 9 to 150 A,
for motor control and other applications



TeSys D Green delivers a consistent low
consumption range of contactors from
9 A to 80 A, covering control voltage from
24 to 250V in AC or DC.



TeSys D Green also has a special product:
a contactor from 40 A to 80 A that connects
directly to PLCs I/O 500 mA.





Whether you are an original equipment manufacturer or industrial plant or maintenance manager, you can look to TeSys D Green to deliver new opportunities for increased efficiency and performance, from design to operation, to maintenance or to the end-of-life management of your machines.



Go green for the planet and your business

Lower energy consumption and carbon footprint

TeSys D Green contactors are a simple, natural step toward reducing your energy bills, helping to protect our planet, and enhancing your company's environmentally-responsible image.

High process uptime

The TeSys D Green wide-band coil is more robust to voltage fluctuations from the grid in conformity with SEMIF47. So your machines—and your business—keep on running at full capacity.



Industrial
End Users



Original
Equipment
Manufacturers



Noise-free design

- Embedded surge suppressor reduces electrical noise
- Smooth coil control reduces impact noise
- Silent contactor when "on" and remove hum-free

Simplified selection

Just 3 product references
per rating covering 24 V to 250 V

- 24 V–60 V AC/DC
(reference ending: BNE)
- 48 V–130 V AC/DC
(reference ending: EHE)
- 100 V–250 V AC/DC
(reference ending: KUE)

IEU

Industrial
End Users

OEM

Original
Equipment
Manufacturers





Less inventory

Fewer product references means a smaller inventory, facilitating maintenance and reducing costs.

Ideal for retrofitting

TeSys D Green can replace most contactors, regardless of manufacturer. Grid disturbances are no longer a problem. Therefore when you choose TeSys D Green for your retrofit, you get increased process uptime and lower energy consumption right away!

No more tightening campaigns

TeSys D Green contactors use EverLink™ power connectors for creep-free connections and less heat loss at the connectors:

- Higher process uptime
- Faster installation
- Reduced wiring miscues
- Space-saving design within electrical cabinets and machines

> [To learn more about EverLink](#)



Industrial
End Users



Original
Equipment
Manufacturers



Streamline your design with just 3 groups of part numbers

Easy selection and BOM management

TeSys D Green meets all your contactor needs with only 3 groups of part numbers covering from 24 V up to 250 V in AC or DC, and 10 times less product references than standard electromechanical coils on TeSys D.

- Easy selection
- Easy BOM management
- Complete design freedom

- ➔ • 24 V–60 V AC/DC
(reference ending: BNE)
- 48 V–130 V AC/DC
(reference ending: EHE)
- 100 V–250 V AC/DC
(reference ending: KUE)
- ⊕ • 24 V DC PLCs I/O
direct connection
(reference ending: BBE)



Industrial
End Users



Original
Equipment
Manufacturers





Easy integration into automation architectures

TeSys D Green also has dedicated products for original equipment manufacturers: contactors that can be connected directly to PLCs I/O 500 mA, without interface relay, simplifying designs and saving on costs.

- Less wiring and materials
- PLC I/O with higher density
- Downscaled power supply (24 V DC)
- Lower dissipation and energy consumption for entire cabinet

This product rounds out the existing lineup covering 9 A–38 A references ending BL (compatible with 24 V DC direct control PLC I/O 100 mA). With TeSys D Green, coverage is extended to 80 A references ending BBE (compatible with 24 V DC direct control PLC I/O 500 mA without any other options/accessories).



Industrial
End Users



Original
Equipment
Manufacturers



More efficient, compact design for all types of machines

TeSys D Green's wide-band coil and efficient use of energy let you "right-size" your equipment:

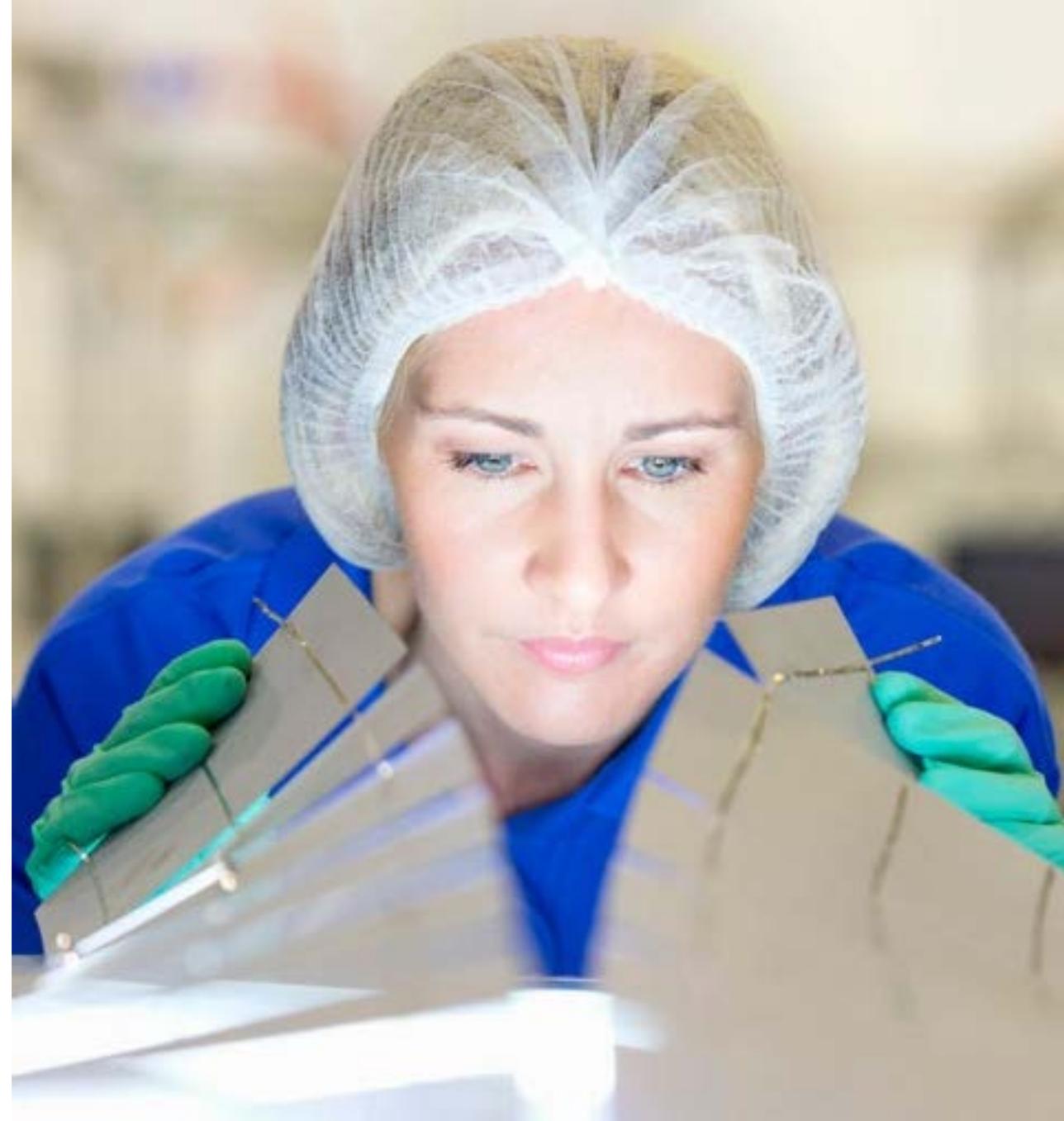
- the less power required by the product, the smaller the product—and the associated equipment
- better resistance to grid disturbances reduces the need for additional devices in the electrical cabinet.

More robust designs

Grid disturbances no longer will be a problem for your machines. With TeSys D Green, you will deliver more robust solutions to your customers.

Export-compatible and compliant with international standards

TeSys Green D D products comply with international standards (IEC, EN, UL-CSA, and Chinese GB) so that you can export your machines, delivering the same levels of quality and performance worldwide.



Industrial
End Users



Original
Equipment
Manufacturers





TeSys D Green by Schneider Electric, more than a contactor!

IEU Industrial End Users

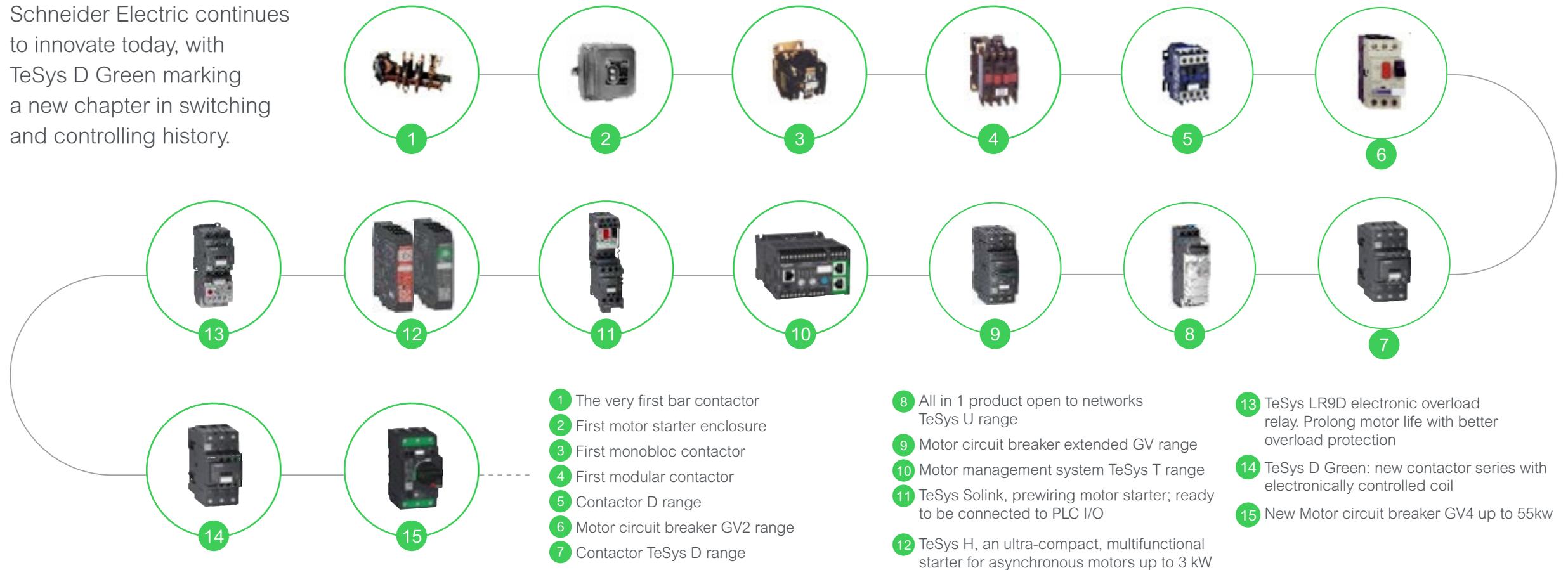
OEM Original Equipment Manufacturers



You benefit from almost a century of experience in switching and controlling that have made Schneider Electric the world's leading manufacturer of motor starters.

Start smart. Run smart. Stay smart with TeSys motor control.

Schneider Electric continues to innovate today, with TeSys D Green marking a new chapter in switching and controlling history.



- 1 The very first bar contactor
- 2 First motor starter enclosure
- 3 First monobloc contactor
- 4 First modular contactor
- 5 Contactor D range
- 6 Motor circuit breaker GV2 range
- 7 Contactor TeSys D range
- 8 All in 1 product open to networks TeSys U range
- 9 Motor circuit breaker extended GV range
- 10 Motor management system TeSys T range
- 11 TeSys Solink, prewiring motor starter; ready to be connected to PLC I/O
- 12 TeSys H, an ultra-compact, multifunctional starter for asynchronous motors up to 3 kW
- 13 TeSys LR9D electronic overload relay. Prolong motor life with better overload protection
- 14 TeSys D Green: new contactor series with electronically controlled coil
- 15 New Motor circuit breaker GV4 up to 55kw

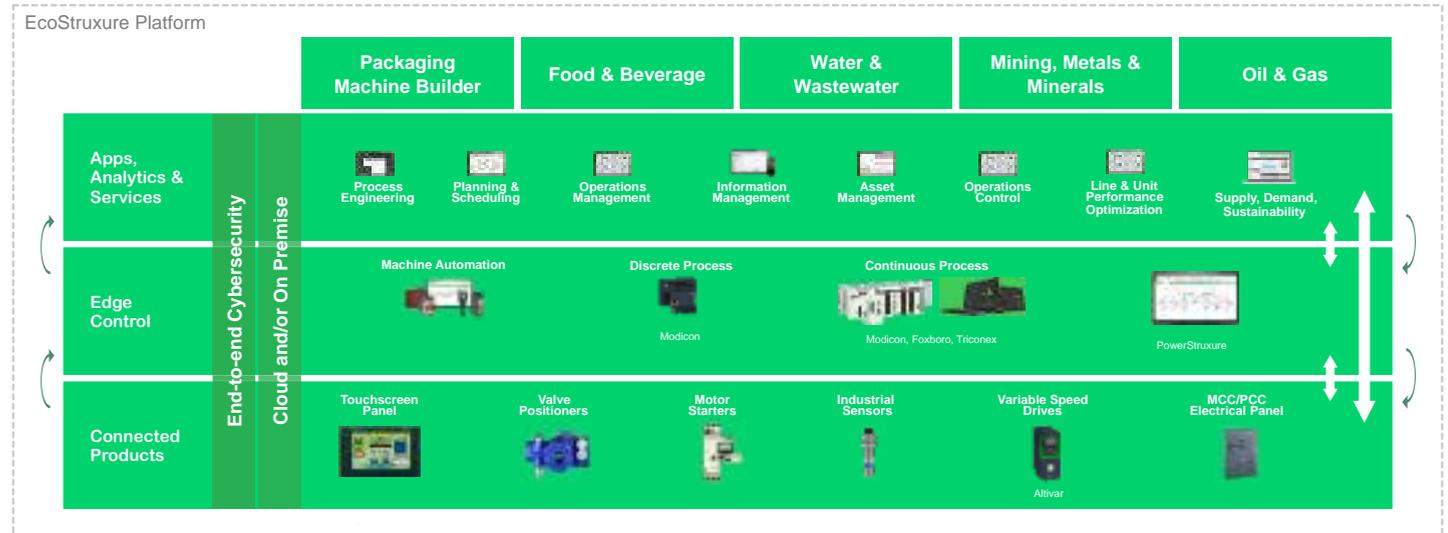
You purchase more than a product...
you get a complete solution!

Use TeSys D Green with these products for a comprehensive solution that integrates seamlessly into your automation architecture and supports your energy performance strategy.

- SCADA: supervisory control and data acquisition to monitor production and energy consumption
- PLC: Programmable Logic Controller to manage inputs and outputs to optimize production costs
- Line protection: protection where it is most efficient, with electronics to enable power metering capabilities
- Power factor correction: reduce grid disturbances and utility penalties
- Motor line protection
- Motor control (direct on line or soft-starter or variable speed drive)
- Motor protection

EcoStruxure™
Innovation At Every Level

Industry



From Life is On to the digitization of industries to drive more efficiency, control, and value, smart automation for intuitive industries recognizes the overwhelming potential of the Industrial Internet of Things and sets out to realize that potential by innovating at every level.



You benefit from our dedication to innovation

At Schneider Electric we are committed to helping everyone get access to the energy they need, whenever and wherever they need it. Our reliable, efficient, connected, and sustainable solutions have been developed to meet this goal.

Innovation drives our organization to provide value-driven, leading edge solutions to our customers, redefining power and automation in industry, energy, data centers, buildings, and homes. Our objective is to achieve a balanced energy equation for a more sustainable planet where Life Is On for everyone at every moment.

You enjoy the peace of mind of a global company with market-leading know-how

- High-quality, robust, efficient solutions
- A range of services
- The same level of responsiveness worldwide
- An outstanding network of partners



Industrial
End Users



Original
Equipment
Manufacturers





TeSys D Green:

electronically controlled coil for a more sustainable motor control

- Best in class coil consumption
- Only 3 product references per rating covering 24-250 V AC or DC and additional special offer (24 V DC BBE) for PLC application
- Easy to select, install and operate



Industrial
End Users



Original
Equipment
Manufacturers



www.schneider-electric.com/tesys

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Life Is On

Schneider
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